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Date: 6/9/2006  
Time: 09:12:24

## Inventor Information for 10/692063

Inventor Name	City	State/Country
DAVENPORT, DAVID F.	KNOXVILLE	TENNESSEE
MARTIN, J. ERIC	LOUISVILLE	TENNESSEE

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thesaurus added in PCTFULL  
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second quarter; strategies may be affected  
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NEWS 17 MAY 11 KORDPAT updates resume  
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 19 MAY 30 IPC 8 Rolled-up core codes added to CA/Caplus and  
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NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/Caplus  
NEWS 21 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC

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=> s whey  
L4 29420 WHEY  
=> s lactase  
L5 5175 LACTASE  
=> s 14 and 15  
L6 703 L4 AND L5  
=> s 16 and nutritional  
L7 209 L6 AND NUTRITIONAL  
=> s 17 and supplement  
L8 111 L7 AND SUPPLEMENT  
=> dup rem 18  
PROCESSING COMPLETED FOR L8  
L9 110 DUP REM L8 (1 DUPLICATE REMOVED)  
=> d 19 100-110 ibib abs

L9 ANSWER 100 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 94:108735 USPATFULL Full-text  
TITLE: Animal feed supplement containing co-spray  
dried plasma protein and amylase  
INVENTOR(S): Yoder, Ralph F., Fort Dodge, IA, United States  
PATENT ASSIGNEE(S): American Meat Protein Corporation, Ames, IA, United  
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5372811		19941213
APPLICATION INFO.:	US 1993-161130		19931203 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Douglas W.		
ASSISTANT EXAMINER:	Sevigny, Jeffrey J.		
LEGAL REPRESENTATIVE:	Earley, McKee, Thomte, Voorhees, & Sease		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
LINE COUNT:	393		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A feed supplement is disclosed comprising animal plasma protein and a  
microbial fermentation product of primarily amylase which are blended and  
spray dried. Animals fed this supplement during the first seven weeks of  
life experienced an increase in average daily gain of 45%; an increase of

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ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

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STRUCTURE FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3  
DICTIONARY FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3

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=> s whey  
L1 58 WHEY  
=> s lactase  
L2 17 LACTASE  
=> s 11 and 12  
L3 0 L1 AND L2

feed intake of 7.3%; and an improved feed efficiency of 26% when compared  
with a control of feed supplemented with animal plasma protein alone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 101 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 94:11246 USPATFULL Full-text  
TITLE: Powdered dairy creamer  
INVENTOR(S): Farizo, Susan C., P.O. Box 302, Oldwick, NJ, United  
States 08858

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5284674		19940208
APPLICATION INFO.:	US 1992-881485		19920511 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Pratt, Helen F.		
LEGAL REPRESENTATIVE:	Butch, III, Peter		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	661		

AB Powdered dairy creamer compositions are disclosed, formed by drying an  
emulsion containing from about 5% to about 45% by weight of an edible fat  
component, including one or more edible fats, from about 5% to about 75% by  
weight of nonfat dry milk solids, from about 0.1% to about 1.0% by weight of a  
hydrophilic emulsifier and from about 0.05% to about 0.5% by weight of a  
lipophilic emulsifier, wherein the hydrophilic emulsifier and the lipophilic  
emulsifier are present in a ratio of about 2:1, and one or more emulsion  
stabilizers present in an amount effective to stabilize the emulsion without  
the presence of the stabilizer being perceptible with respect to the  
organoleptic properties of the composition. Methods of forming the powdered  
dairy creamer compositions are also disclosed.

L9 ANSWER 102 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 93:31203 USPATFULL Full-text  
TITLE: Hypoallergenic milk products from natural and/or  
synthetic components and process of making  
INVENTOR(S): Girsh, Leonard S., South Palm Beach, FL, United States  
PATENT ASSIGNEE(S): Immuno Path Profile, Inc., Melrose Park, PA, United  
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5204134		19930420
APPLICATION INFO.:	US 1991-754872		19910904 (7)
DISCLAIMER DATE:	20100216		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-562777, filed on 3 Aug 1990, now patented, Pat. No. US 5064674 which is a continuation-in-part of Ser. No. US 1989-297451, filed on 13 Jan 1989, now patented, Pat. No. US 4954361		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hunter, Jeanette		
ASSISTANT EXAMINER:	Pratt, Helen		
LEGAL REPRESENTATIVE:	Seidel, Gonda, Lavorgna & Monaco		

NUMBER OF CLAIMS: 165  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1314  
AB A hypoallergenic milk which has the flavor and smell of natural whole mammalian milk. The hypoallergenic milk is formed by combining a mixture of mineral salts approximately the mineral content of milk, carbohydrate and hypoallergenic protein. Hypoallergenic fat, vitamins and other components are optionally added to meet the minimum daily nutritional requirements for milk. The ingredients are ultrafiltered either separately or in combination as needed to remove allergenic molecules.

L9 ANSWER 103 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 93:12331 USPATFULL Full-text  
TITLE: Hypoallergenic milk products and process of making  
INVENTOR(S): Girsh, Leonard S., Melrose Park, PA, United States  
PATENT ASSIGNEE(S): Immunopath Profile, Inc., Huntingdon Valley, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5186971		19930216
APPLICATION INFO.:	US 1991-754782		19910904 (7)
DISCLAIMER DATE:	20070904		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-562777, filed on 3 Aug 1990, now patented, Pat. No. US 5064674 which is a continuation-in-part of Ser. No. US 1989-297451, filed on 13 Jan 1989, now patented, Pat. No. US 4954361		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Hunter, Jeanette  
ASSISTANT EXAMINER: Pratt, Helen  
LEGAL REPRESENTATIVE: Seidel, Gonda, Lavorgna & Monaco  
NUMBER OF CLAIMS: 60  
EXEMPLARY CLAIM: 1  
LINE COUNT: 948

AB A hypoallergenic milk which has the flavor and smell of natural whole mammalian milk is disclosed herein. The hypoallergenic milk is made from the ultrafiltered permeate of cow's milk, whey, or other milk fraction. The permeate is substantially free of cow's milk protein and fat. The hypoallergenic milk product includes a polypeptide, an amino acid, or a combination of both as an additive. The permeate is supplemented with hypoallergenic protein, and optionally fat, vitamins and minerals to meet the minimum daily nutritional requirements for milk.

L9 ANSWER 104 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 91:92373 USPATFULL Full-text  
TITLE: Hypoallergenic milk products and process of making  
INVENTOR(S): Girsh, Leonard S., Melrose Park, PA, United States  
PATENT ASSIGNEE(S): Immunopath Profile, Inc., Melrose Park, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5064674		19911112

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 106 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 88:19349 USPATFULL Full-text  
TITLE: Protein product base  
INVENTOR(S): Singer, Norman S., London, Canada  
Yamamoto, Shoji, London, Canada  
Latella, Joseph, London, Canada  
John LeBart Limited, London, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4734287		19880329
APPLICATION INFO.:	US 1984-606959		19840504 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Yoncoskie, Robert		
LEGAL REPRESENTATIVE:	Fisher, Christen & Sabol		
NUMBER OF CLAIMS:	54		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 10 Drawing Page(s)		
LINE COUNT:	1778		

AB There is disclosed a proteinaceous, water-dispersible, macrocolloid comprising substantially non-aggregated particles of dairy whey protein. The particles have a mean diameter particle size distributions in a dried state, ranging from about 0.1 microns to about 2.0 microns, with less than about 2 percent of the total number of particles exceeding 3.0 microns in diameter. The majority of the said particles are substantially spheroidal when viewed at about 800 power magnification under a standard light microscope. The colloid has a substantially smooth, emulsion-like organoleptic character when hydrated. There is also disclosed a process for preparing the above described product.

L9 ANSWER 107 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 87:82908 USPATFULL Full-text  
TITLE: Nutritional supplement preparation intended for pregnant and breast-feeding women based on milk constituents as well as a process for preparing it  
INVENTOR(S): Uiterwaal, Dirk J. D., Bodegraven, Netherlands  
Hersevoort, Aert, Nieuwegein, Netherlands  
Welkunte Holland B.V., AE Woerden, Netherlands (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4710387		19871201
APPLICATION INFO.:	US 1985-795973		19851107 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	NL 1984-3433	19841109
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hunter, Jeanette	
LEGAL REPRESENTATIVE:	Buell, Ziesenheim, Beck & Alstadt	

APPLICATION INFO.: US 1990-562777 19900803 (7)  
DISCLAIMER DATE: 20070904  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1989-297451, filed on 13 Jan 1989, now patented, Pat. No. US 4954361

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Cintas, Marianne  
ASSISTANT EXAMINER: Pratt, Helen  
LEGAL REPRESENTATIVE: Seidel, Gonda, Lavorgna & Monaco  
NUMBER OF CLAIMS: 50  
EXEMPLARY CLAIM: 1  
LINE COUNT: 867

AB A hypoallergenic milk which has the flavor and smell of natural whole mammalian milk is disclosed herein. The hypoallergenic milk is made from the ultrafiltered permeate of cow's milk, whey, or other milk fraction. The permeate is substantially free of cow's milk protein and fat. The permeate is supplemented with hypoallergenic protein, and optionally fat, vitamins and minerals to meet the minimum daily nutritional requirements for milk.

L9 ANSWER 105 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 89:2890 USPATFULL Full-text  
TITLE: Enhancement of lactobacillus acidophilus growth and viability in yogurt and other cultured dairy products  
INVENTOR(S): Reddy, Malireddy S., 6983 S. Telluride St., Aurora, CO, United States 80016

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4797289		19890110
APPLICATION INFO.:	US 1987-23686		19870309 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cintas, Marianne		
LEGAL REPRESENTATIVE:	Rost, Kyle W.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
LINE COUNT:	957		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lactobacillus acidophilus or bifidus does not grow and survive in yogurt for a long period of time. A differential inoculation procedure has been developed where by Lactobacillus acidophilus is first inoculated into heat treated milk or milk - sugar - fiber base and incubated until its population builds up sufficiently. Later, the regular yogurt cultures Streptococcus thermophilus and Lactobacillus bulgaricus are inoculated into the acidophilus growing yogurt mix. This procedure enables us to make yogurt with significantly high concentration of L. acidophilus bacteria in yogurt. Also dietetic fiber was introduced into the fruit base and then mixed with yogurt. Dietetic fiber we have employed not only benefits the health of the consumers, but also enhances the population of L. acidophilus. The fiber also thickens the yogurt due to its exceptional hydration properties. Vitamins and minerals are also included into the yogurt both to enhance the population of acidophilus and to supplement the yogurt. Variations of using lactase enzyme to decrease the lactose in yogurt and to enhance the L. acidophilus counts have been employed. In addition, to significantly prolong the viability of L. acidophilus, calcium carbonate and catalase-L have been included in the yogurt.

NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 553

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Nutritional supplement preparation for pregnant and breast-feeding women based on milk constituents for pregnant and breast-feeding women containing 10-20% by weight of protein, 16-28% by weight of fat, 43-65% by weight of carbohydrates, at most 3.5% by weight of moisture and minerals, trace elements and vitamins such as calcium, phosphorus, magnesium, copper, zinc, iodine, iron, vitamin A, vitamin B1, vitamin B6, vitamin C, vitamin D3, vitamin E, niacin and folic acid, and, optionally flavoring and/or colorant as well as a process for preparing said preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 108 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 82:54559 USPATFULL Full-text  
TITLE: Process for converting sour whey into sweet whey and product  
INVENTOR(S): Soehnlen, Joseph A., Navarre, OH, United States  
PATENT ASSIGNEE(S): Superior Dairy, Inc., Canton, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4358464		19821109
APPLICATION INFO.:	US 1978-933605		19780814 (5)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1977-821099, filed on 2 Aug 1977, now abandoned which is a continuation-in-part of Ser. No. US 1976-699718, filed on 25 Jun 1976, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Smith, William F.		
LEGAL REPRESENTATIVE:	Frease & Bishop		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1,15		
LINE COUNT:	727		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Sour whey resulting from manufacture of cottage cheese or cream cheese is converted into a food product superior to either sweet whey or sour whey, by enzymatic splitting of the lactose to glucose and galactose, followed by deionization and preferably concentration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 109 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 81:17768 USPATFULL Full-text  
TITLE: Preparation of food products  
INVENTOR(S): Duthie, Iain F., Cobham, England  
PATENT ASSIGNEE(S): Agricultural Production and Vegetable Products, Ltd., Surrey, England (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4259358		19810331
APPLICATION INFO.:	US 1975-547029		19750204 (5)

NUMBER DATE  
PRIORITY INFORMATION: GB 1974-6843 19740214  
GB 1974-17373 19740419  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Wiseman, Thomas G.  
LEGAL REPRESENTATIVE: Sherman & Shalloway  
NUMBER OF CLAIMS: 29  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1631

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous slurry of legume seeds is subjected to amylolytic enzyme treatment, preferably by  $\alpha$ -amylase followed by amylglucosidase. The dry starting material or the slurry may be divided into protein-enhanced and protein-depleted fractions to facilitate treatment. Lipid and/or methionine derivatives may also be added, and the resultant product optionally treated with aldehyde. The products find application as milk-replacers, food ingredients and foods for human and non-human mammals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

19 ANSWER 110 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 80:12776 USPATFULL Full-text  
TITLE: Production of Baker's yeast from acid whey  
INVENTOR(S): Stineman, Thomas L., Cincinnati, OH, United States  
Edwards, Jeffrey D., Cincinnati, OH, United States  
Grosskopf, Jack C., Wheaton, IL, United States  
PATENT ASSIGNEE(S): The Kroger Co., Cincinnati, OH, United States (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 4192918 19800311  
APPLICATION INFO.: US 1978-964990 19781130 (5)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Shapiro, Lionel M.  
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman  
NUMBER OF CLAIMS: 9  
EXEMPLARY CLAIM: 1  
LINE COUNT: 427

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Acid whey, the by-product from the manufacture of fresh cheeses such as cottage cheese, is clarified, filtered and subjected to lactose hydrolysis, splitting the lactose disaccharide into the monosaccharides glucose and galactose. The liquid is sterilized and cultured with Baker's yeast and used as a growth medium for that yeast. After yeast growth is substantially completed the yeast solids are separated and the liquid remaining is discharged into waste-water receiving systems, the liquid significantly reduced in organic waste loading as compared to untreated acid wheys.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

--> d 19 90-99 ibid abs

19 ANSWER 90 OF 110 USPATFULL on STN

LEGAL REPRESENTATIVE: Hoffmann & Baron, LLP  
NUMBER OF CLAIMS: 34  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1310

AB Refrigeration-shelf-stable ready-to-feed and concentrated infant formulas prepared through an ultra-pasteurization and/or pasteurization process, comprise per five fluid ounces from about 1.8 to about 6.3 grams of protein; from about 3.3 to about 15.9 grams of fat; from about 300 mg to about 3000 mg of linoleic acid; from about 250 to about 900 IU of Vitamin A; from about 40 to about 180 IU of Vitamin D; from about 0.7 to about 9 IU of Vitamin E; from about 4 to about 24 mcg of Vitamin K; from about 40 to about 300 mcg of Thiamine (Vitamin B1); from about 60 to about 450 mcg of Riboflavin (Vitamin B2); from about 35 to about 180 mcg of Vitamin B6; from about 0.15 to about 0.9 mcg of Vitamin B12; from about 250 to about 3150 mcg of Niacin; from about 4 to about 48 mcg of Folic Acid (Folacin); from about 300 to about 1500 mcg of Pantothenic Acid; from about 1.5 to about 13.2 mcg of Biotin; from about 8 to about 36 mg of Vitamin C (Ascorbic Acid); from about 7 to about 48 mg of Choline; from about 4 to about 18 mg of Inositol; from about 60 to about 234 mg of Calcium; from about 30 to about 159 mg of Phosphorus; from about 6 to about 24 mg of Magnesium; from about 0.15 to about 5.4 mg of Iron; from about 0.5 to about 3 mg of Zinc; from about 5 to about 45 mcg of Manganese; from about 60 to about 270 mcg of Copper; from about 5 to about 75 mcg of Iodine; from about 20 to about 81 mg of Sodium; from about 80 to about 324 mg of Potassium; and from about 55 to about 195 mg of Chloride; wherein the total caloric content is from about 80 kilocalories to about 300 kilocalories per five fluid ounces.

19 ANSWER 92 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 1999:132553 USPATFULL Full-text  
TITLE: Methods and compositions for synthesis of long chain poly-unsaturated fatty acids  
INVENTOR(S): Knutson, Deborah, Granite Bay, CA, United States  
Mukerji, Pradip, Gahanna, OH, United States  
Huang, Yung-Sheng, Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Chaudhary, Sunita, Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
Calgene, Inc., Davis, CA, United States (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 5972664 19991026  
APPLICATION INFO.: US 1997-833610 19970411 (8)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Achutamurthy, Ponnathapu  
ASSISTANT EXAMINER: Mayhew, Bradley S.  
LEGAL REPRESENTATIVE: Limbach & Limbach, L.L.P.  
NUMBER OF CLAIMS: 52  
EXEMPLARY CLAIM: 34  
NUMBER OF DRAWINGS: 21 Drawing Figure(s); 17 Drawing Page(s)  
LINE COUNT: 2089

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a fatty acid  $\Delta 5$ -desaturase able to catalyze the conversion of dihomogamma-linolenic acid to arachidonic acid. Nucleic

ACCESSION NUMBER: 2000:141934 USPATFULL Full-text  
TITLE: Composition and its use as a food supplement or for lowering lipids in serum  
INVENTOR(S): Høie, Lars Henrik, London, United Kingdom  
PATENT ASSIGNEE(S): Nutri Pharma ASA, Oslo, Norway (non-U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 6136367 20001024  
APPLICATION INFO.: US 1998-143120 19980828 (9)  
RELATED APPLN. INFO.: Continuation of Ser. No. WO 1997-18152, filed on 12 Feb 1997

NUMBER DATE  
PRIORITY INFORMATION: DK 1996-227 19960229

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Weier, Anthony J.  
LEGAL REPRESENTATIVE: Cooper, Iver P.  
NUMBER OF CLAIMS: 63  
EXEMPLARY CLAIM: 1  
LINE COUNT: 905

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition on basis of soybean ingredients having (a) isolated soy protein, (b) soybean fibers, and optionally an additional protein source, a carbohydrate source, a fat source, flavouring agents, vitamins, minerals, electrolytes, trace elements and other conventional additives, the amount of (a) being such that the protein content provides at least 15% of the total energy content of the composition, and (i) the weight ratio of (a) to (b) is at least 2 and (a) is at least 75 wt % of the total protein content, or (ii) the ratio of (a) to (b) is at least 3. The composition is useful as partial or total diet for overweight or obese subjects and is furthermore useful for lowering the cholesterol level and the triglyceride level and for increasing the HDL/LDL-cholesterol ratio in serum.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

19 ANSWER 91 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2000:34231 USPATFULL Full-text  
TITLE: Refrigeration-shelf-stable ultra-pasteurized or pasteurized infant formula  
INVENTOR(S): Kamarei, A. Reza, Princeton, NJ, United States  
PATENT ASSIGNEE(S): Princeton Nutrition, L.L.C., Princeton, NJ, United States (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 6039985 20000321  
APPLICATION INFO.: US 1999-305071 19990504 (9)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-975692, filed on 21 Nov 1997, now patented, Pat. No. US 5985339

NUMBER DATE  
PRIORITY INFORMATION: US 1996-31637P 19961122 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Sayala, Chhaya D.

acid sequences encoding a  $\Delta 5$ -desaturase, nucleic acid sequences which hybridize thereto, DNA constructs comprising a  $\Delta 5$ -desaturase gene, and recombinant host microorganism or animal expressing increased levels of a  $\Delta 5$ -desaturase are described. Methods for desaturating a fatty acid at the  $\Delta 5$  position and for producing arachidonic acid by expressing increased levels of a  $\Delta 5$  desaturase are disclosed. Fatty acids, and oils containing them, which have been desaturated by a  $\Delta 5$ -desaturase produced by recombinant host microorganisms or animals are provided. Pharmaceutical compositions, infant formulas or dietary supplements containing fatty acids which have been desaturated by a  $\Delta 5$ -desaturase produced by a recombinant host microorganism or animal also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

19 ANSWER 93 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 1999:128425 USPATFULL Full-text  
TITLE: Methods and compositions for synthesis of long chain poly-unsaturated fatty acids  
INVENTOR(S): Knutson, Deborah, Granite Bay, CA, United States  
Mukerji, Pradip, Gahanna, OH, United States  
Huang, Yung-Sheng, Upper Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Chaudhary, Sunita, Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
Calgene Inc., Davis, CA, United States (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 5968809 19991019  
APPLICATION INFO.: US 1997-834655 19970411 (8)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Achutamurthy, Ponnathapu  
ASSISTANT EXAMINER: Nashat, T.  
LEGAL REPRESENTATIVE: Limbach & Limbach L.L.P.  
NUMBER OF CLAIMS: 30  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Figure(s); 16 Drawing Page(s)  
LINE COUNT: 2362

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to fatty acid desaturases able to catalyze the conversion of oleic acid to linoleic acid, linoleic acid to gamma-linolenic acid, or of alpha-linolenic acid to stearidonic acid. Nucleic acid sequences encoding desaturases, nucleic acid sequences which hybridize thereto, DNA constructs comprising a desaturase gene, and recombinant host microorganism or animal expressing increased levels of a desaturase are described. Methods for desaturating a fatty acid and for producing a desaturated fatty acid by expressing increased levels of a desaturase are disclosed. Fatty acids, and oils containing them, which have been desaturated by a desaturase produced by recombinant host microorganisms or animals are provided. Pharmaceutical compositions, infant formulas or dietary supplements containing fatty acids which have been desaturated by a desaturase produced by a recombinant host microorganism or animal also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 94 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 1999:110363 USPATFULL Full-text  
 TITLE: Method for inhibiting the development of Alzheimer's disease and related dementias- and for preserving cognitive function  
 INVENTOR(S): Clarkson, Jr., Thomas Boston, Clemmons, NC, United States  
 Anthony, Mary Susan, Clemmons, NC, United States  
 Pan, Yeanlong, Winston-Salem, NC, United States  
 Adams, Michael R., Clemmons, NC, United States  
 Waggle, Doyle H., St. Louis, MO, United States  
 PATENT ASSIGNEE(S): Protein Technologies International, Inc., St. Louis, MO, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5952374		19990914
US 1997-939691		19970929 (8)

PATENT INFORMATION: US 5952374 19990914  
 APPLICATION INFO.: US 1997-939691 19970929 (8)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Criares, Theodore J.  
 LEGAL REPRESENTATIVE: Taylor, Richard B.  
 NUMBER OF CLAIMS: 90  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 1102

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for inhibiting the development and relieving the symptoms of Alzheimer's disease and related dementias are provided. A phytoestrogenic isoflavone compound is administered to a human predisposed to developing Alzheimer's disease or a related dementia, or having Alzheimer's disease or a related dementia, in an amount effective to inhibit the development or relieve the symptoms of the disease. The phytoestrogenic isoflavone compound is selected from at least one of genistein, genistin, 6'-O-methyl genistein, 6'-O-ac genistein, daidzein, daidzin, 6'-O-methyl daidzin, 6'-O-ac daidzin, glycitein, glycitin, 6'-O-methyl glycitein, or mixtures thereof. The phytoestrogenic isoflavone compound is effective to up-regulate choline acetyltransferase mRNA and nerve growth factor mRNA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 95 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 1999:27452 USPATFULL Full-text  
 TITLE: Biochemical media system for reducing pollution  
 INVENTOR(S): Reddy, Malireddy S., 78 Cherry Hills Farm Dr., Englewood, CO, United States 80110  
 Raddy, Syama M., 78 Cherry Hills Farm Dr., Englewood, CO, United States 80110

NUMBER	KIND	DATE
US 5876990		19990302
US 1996-731886		19961022 (8)

PATENT INFORMATION: US 5876990 19990302  
 APPLICATION INFO.: US 1996-731886 19961022 (8)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Wyse, Thomas G.  
 LEGAL REPRESENTATIVE: Rost, Kyle W.  
 NUMBER OF CLAIMS: 44  
 EXEMPLARY CLAIM: 1

INVENTOR(S): Girsh, Leonard S., South Palm Beach, FL, United States  
 PATENT ASSIGNEE(S): Immunopath Profile, Inc., Palm Beach, FL, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5753296		19980519
WO 9503708		19950209
US 1996-591503		19960202 (8)
WO 1994-US9766		19940802
		19960202 PCT 371 date
		19960202 PCT 102(a) date

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-100905, filed on 3 Aug 1993, now abandoned  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Pratt, Helen  
 LEGAL REPRESENTATIVE: Seidel, Gonda, Lavoragna & Monaco, PC  
 NUMBER OF CLAIMS: 108  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 2208

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Supercritical solvent-treated cocoa powder is used as a flavoring to provide hypoallergenic chocolate-flavored beverages and confections. The dairy permeate is the product of ultrafiltration of milk or whey, which removes protein allergens. The mouth feel as well as the rheological properties of chocolate are retained with a fat content as low as 25% or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 98 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 97:56389 USPATFULL Full-text  
 TITLE: Methods for producing a solid feed supplement  
 INVENTOR(S): Sawhill, Wallace, Canoga Park, CA, United States  
 PATENT ASSIGNEE(S): Pacific Kenyon Corporation, Long Beach, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5643622		19970701
US 1993-110513		19930823 (8)

PATENT INFORMATION: US 5643622 19970701  
 APPLICATION INFO.: US 1993-110513 19930823 (8)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-58130, filed on 10 May 1993  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Kepplinger, Esther  
 ASSISTANT EXAMINER: Sherrer, Curtis E.  
 LEGAL REPRESENTATIVE: Plante & Strauss  
 NUMBER OF CLAIMS: 17  
 EXEMPLARY CLAIM: 15  
 LINE COUNT: 1014

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed a solid animal feed supplement which is prepared in concentrated food industry by-products such as by-products of the dairy industry, such as whey permeates, delactosed whey, and by-products of the fermentation industry, such as whey and corn sweet water. The invention comprises the treatment of the protein-rich by-products with a mild enzymatic treatment which stabilizes the by-products against protein gelation, and the thermal, and/or enzymatic treatment of the lactose-rich

LINE COUNT: 1806

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A first media provides an oxygen inducer such as catalase, bound and stabilized in pellet form so as to dissipate slowly into aqueous surroundings. A second media provides an oxygen supplier such as a peroxide, stabilized by combination with a proteinaceous compound such as urea and bound in a matrix that limits oxygen release. The two media are combined in aqueous environment to generate nascent oxygen at a modulated rate such that the oxygen is efficiently absorbed into the surrounding aqueous environment, promoting growth of aerobic species and reducing biological pollution. Specific adaptations demonstrate benefits of use in shrimp or fish ponds, raw milk, fruit juice, fresh food, silage and animal feed, fertilizer, plumbing systems, and grease traps. When used in ponds, further adaptations reduce algae and phytoplankton populations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 96 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 1999:1234 USPATFULL Full-text  
 TITLE: Method for decreasing LDL-cholesterol concentration and increasing HDL-cholesterol concentration in the blood to reduce the risk of atherosclerosis and vascular disease  
 INVENTOR(S): Potter, Susan M., 417 Edgewood Dr., St. Louis, MO, United States 63105  
 Henley, Edna C., 4612 Maryland Ave., St. Louis, MO, United States 63108  
 Waggle, Doyle H., 348 Rieth Ter., St. Louis, MO, United States 63122

NUMBER	KIND	DATE
US 5855892		19990105
US 1997-933788		19970919 (8)

PATENT INFORMATION: US 5855892 19990105  
 APPLICATION INFO.: US 1997-933788 19970919 (8)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Waddington, Kevin E.  
 NUMBER OF CLAIMS: 36  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 954

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of altering the concentration of cholesterol constituents in human blood is provided. A daidzein material is administered to a human to increase the concentration of HDL-cholesterol and to decrease the level of LDL-cholesterol in the blood. The daidzein material may be administered in a pharmaceutical composition, or in a dietary supplement, including soy protein based dietary supplements. Utilization of daidzein to increase the concentration of HDL cholesterol and to decrease the concentration of LDL-cholesterol in the blood reduces the risk of atherosclerosis and vascular disease by providing more health beneficial HDL-cholesterol and reducing the level of atherosclerosis-inducing LDL-cholesterol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 97 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 1998:54551 USPATFULL Full-text  
 TITLE: Product and process of making hypoallergenic chocolate compositions

by-products to avoid separation of the lactose from concentrates. The by-products can then be concentrated to high solids content, in excess of 50 weight percent, and the resultant concentrates can be treated with gelation agents, preferably phosphoric acid and lime to solidify the by-product. Feed nutrients such as fats, urea, sodium bicarbonate, calcium carbonate, calcium sulfate, etc., or drugs such as monislan, can be added before solidification forming useful solid animal feed supplements.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 99 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 96:106175 USPATFULL Full-text  
 TITLE: Animal feed supplement containing co-sprayed dried plasma protein and amylase  
 INVENTOR(S): Yoder, Ralph P., Fort Dodge, IA, United States  
 PATENT ASSIGNEE(S): AMPC, Inc., Ames, IA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5575999		19961119
US 1994-324157		19941014 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-161130, filed on 3 Dec 1993, now patented, Pat. No. US 5372811  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Naff, David M.  
 ASSISTANT EXAMINER: Witz, Jean C.  
 LEGAL REPRESENTATIVE: Zarley, McKee, Thome, Voorhees, & Sease  
 NUMBER OF CLAIMS: 8  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 383

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A feed supplement is disclosed comprising animal plasma protein and a microbial fermentation product of primarily amylase which are blended and spray dried. Animals fed this supplement during the first seven weeks of life experienced an increase in average daily gain of 45%; an increase of feed intake of 7.3%; and an improved feed efficiency of 26% when compared with a control of feed supplemented with animal plasma protein alone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

>> d 19 80-89 ibib abs

L9 ANSWER 80 OF 110 USPATFULL on STN  
 ACCESSION NUMBER: 2001:170766 USPATFULL Full-text  
 TITLE: Composition for and method of reducing low density lipoprotein cholesterol concentration  
 INVENTOR(S): Waggle, Doyle H., Creve Coeur, MO, United States  
 Potter, Susan M., Ellisville, MO, United States  
 Henley, Edna C., Athens, GA, United States  
 PATENT ASSIGNEE(S): Protein Technologies International, Inc., St. Louis, MO (U.S. corporation)

NUMBER	KIND	DATE
US 2001026814	A1	20011004
US 6572876	B2	20030603

PATENT INFORMATION: US 2001026814 A1 20011004  
 US 6572876 B2 20030603

APPLICATION INFO.: US 2001-814649 A1 20010322 (9)  
RELATED APPLN. INFO.: Division of Ser. No. US 1999-298528, filed on 23 Apr 1999, PENDING  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Richard B. Taylor, Protein Technologies International, Inc., P. O. Box 88940, St. Louis, MO, 63188  
NUMBER OF CLAIMS: 92  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Page(s)  
LINE COUNT: 1437

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a composition comprising a plant sterol and a soy protein material and/or isoflavone selected from genistein, daidzein, glycitein, biochanin A, formononetin, and their naturally occurring glycosides, where the plant sterol comprises at least 0.49% of the composition, by weight. The present invention is also a method for decreasing the blood concentration of total and LDL cholesterol in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone. The present invention is also a method for preventing or minimizing the development of atherosclerosis in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 81 OF 110, USPATFULL on STN  
ACCESSION NUMBER: 2001:165456 USPATFULL Full-text  
TITLE: Composition for and method of reducing low density lipoprotein cholesterol concentration  
INVENTOR(S): Waggle, Doyle H., Creve Coeur, MO, United States  
Potter, Susan M., Ellipsisville, MO, United States  
Wentley, Edna C., Athens, GA, United States  
PATENT ASSIGNEE(S): Protein Technologies International, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001024666	A1	20010927
APPLICATION INFO.:	US 6579534	B2	20030617
RELATED APPLN. INFO.:	US 2001-826346	A1	20010404 (9)
	Division of Ser. No. US 1999-298528, filed on 23 Apr 1999, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Richard B. Taylor, Protein Technologies International, Inc., P. O. Box 88940, St. Louis, MO, 63188		
NUMBER OF CLAIMS:	92		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1446		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a composition comprising a plant sterol and a soy protein material and/or isoflavone selected from genistein, daidzein, glycitein, biochanin A, formononetin, and their naturally occurring

Reynolds, Patricia A., Columbus, OH, United States  
Montalto, Michael B., Upper Arlington, OH, United States  
O'Connor, Deborah L., Powell, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6294206	B1	20010925
APPLICATION INFO.:	US 2000-532838		20000321 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-128575, filed on 9 Apr 1999		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Pratt, Helen		
LEGAL REPRESENTATIVE:	Dixon, J. Michael, Parlet, Nickki L.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1505		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a powdered human milk fortifier comprising a protein component typically present in an amount of from about 24 wt/wt % to about 55 wt/wt % of the fortifier powder, and a fat component typically present in an amount of from about 1 wt/wt % to about 30 wt/wt % of the fortifier powder and a carbohydrate component present in a quantity of from about 15 wt/wt % to about 75 wt/wt % of the fortifier powder. Preferably, the powdered human milk fortifier is provided in a unit dose container which holds from about 0.5 gm to about 10 gm of powder. The instant invention also relates to a method of providing nutrition to preterm infants by adding a fortifier powder to human milk and administering the fortified human milk to a premature infant. The invention further provides a method of promoting growth of a premature infant by administering fortified human milk to a premature infant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 84 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:162841 USPATFULL Full-text  
TITLE: Nutrition supplement containing Lactobacillus acidophilus, yeast and soy protein  
INVENTOR(S): Haia, Houn Simon, Foothill Ranch, CA, United States  
PATENT ASSIGNEE(S): Viva Life Science, Inc., Costa Mesa, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6294166	B1	20010925
APPLICATION INFO.:	US 1999-233638		19990119 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-828143, filed on 24 Mar 1997		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Marx, Irene		
LEGAL REPRESENTATIVE:	Lyon & Lyon LLP		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	361		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

glycosides, where the plant sterol comprises at least 0.49% of the composition, by weight. The present invention is also a method for decreasing the blood concentration of total and LDL cholesterol in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone. The present invention is also a method for preventing or minimizing the development of atherosclerosis in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 82 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:109808 USPATFULL Full-text  
TITLE: Process for preparing hypoallergenic and reduced fat foods  
INVENTOR(S): Girsh, Leonard S., Palm Beach, FL, United States  
PATENT ASSIGNEE(S): Immunopath Profile, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001007690	A1	20010712
APPLICATION INFO.:	US 2001-781586	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-80968, filed on 19 May 1998, GRANTED, Pat. No. US 6197356 Continuation-in-part of Ser. No. US 1998-58469, filed on 10 Apr 1998, ABANDONED Continuation-in-part of Ser. No. US 1998-58430, filed on 10 Apr 1998, ABANDONED Continuation-in-part of Ser. No. US 1996-591503, filed on 2 Feb 1996, GRANTED, Pat. No. US 5753296 Continuation-in-part of Ser. No. US 1993-100905, filed on 3 Aug 1993, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Daniel A. Monaco, Seidel, Gonda, Lavorigna & Monaco, P.C., Suite 1800, Two Penn Center Plaza, Philadelphia, PA, 19102		

NUMBER OF CLAIMS: 61  
EXEMPLARY CLAIM: 1  
LINE COUNT: 2369

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Common allergenic foods are made hypoallergenic by treatment with super critical fluid or critical liquid gas such as super critical carbon dioxide or liquid nitrogen. The treatment of foods with liquid nitrogen or super critical carbon dioxide also enhances the functionality of fat, so that the total fat in the food can be reduced while retaining the good taste of the food. Compositions and methods for the oral delivery of a medicament or vitamin are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 83 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:162880 USPATFULL Full-text  
TITLE: Powdered human milk fortifier  
INVENTOR(S): Barrett-Reis, Bridget, Dublin, OH, United States

AB A composition for use as a dietary supplement for promoting gastrointestinal health including effective amounts of a dried bacteria, a dried, non-viable yeast and protein. The dried bacteria may be Lactobacillus acidophilus, and may comprise from about 0.1% to about 10% of the total mass of the composition. The yeast may be Brewer's or Baker's yeast, and may comprise from about 2.5% to about 20% of the total mass. The protein may be whey or soy protein concentrates, and may comprise from about 25% to about 98% of the total mass.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 85 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:121119 USPATFULL Full-text  
TITLE: Composition and its use as a food supplement or for lowering lipids in serum  
INVENTOR(S): Hoie, Lars Henrik, London, United Kingdom  
PATENT ASSIGNEE(S): Nutri Pharma ASA, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6268011	B1	20010731
APPLICATION INFO.:	US 2000-524018		20000313 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 143120, now patented, Pat. No. US 6136367		

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1996-227	19960229
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Weier, Anthony J.	
LEGAL REPRESENTATIVE:	Cooper, Iver P.	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	777	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition on basis of soybean ingredients contains (a) isolated soy protein, (b) soybean fibres, and optionally an additional protein source, a carbohydrate source, a fat source, flavouring agents, vitamins, minerals, electrolytes, trace elements and other conventional additives, the amount of (a) being such that the protein content provides at least 15% of the total energy content of the composition, and (i) the weight ratio of (a) to (b) is at least 2 and (a) is at least 75 wt % of the total protein content, or (ii) the ratio of (a) to (b) is at least 3. The composition is useful as partial or total diet for overweight or obese subjects and is furthermore useful for lowering the cholesterol level and the triglyceride level and for increasing the HDL/LDL-cholesterol ratio in serum.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 86 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:32854 USPATFULL Full-text  
TITLE: Process for preparing hypoallergenic foods  
INVENTOR(S): Girsh, Leonard S., Palm Beach, FL, United States  
PATENT ASSIGNEE(S): Immunopath Profile, Inc., Palm Beach, FL, United States (U.S. corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION: US 6197356 B1 20010306  
APPLICATION INFO.: US 1998-80968 19980519 (9)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-58469, filed on 10 Apr 1998, now abandoned Continuation-in-part of Ser. No. US 1998-58430, filed on 10 Apr 1998, now abandoned, said Ser. No. US 58469 And Ser. No. US 1996-591503, filed on 2 Aug 1996, now patented, Pat. No. US 5753296, said Ser. No. US 58430 Continuation-in-part of Ser. No. US 1996-591503, filed on 2 Aug 1996, now patented, Pat. No. US 5753296 Continuation-in-part of Ser. No. US 1993-100905, filed on 3 Aug 1993, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Pratt, Helen  
LEGAL REPRESENTATIVE: Seidel, Gonda, Lavoroga & Monaco, PC  
NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
LINE COUNT: 2818

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Common allergenic foods are made hypoallergenic by treatment with super critical fluid or critical liquid gas such as super critical carbon dioxide or liquid nitrogen. The treatment of foods with liquid nitrogen or super critical carbon dioxide also enhances the functionality of fat, so that the total fat in the food can be reduced while retaining the good taste of the food.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 87 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:29163 USPATFULL Full-text  
TITLE: Refrigeration-shelf-stable ultra-pasteurized or pasteurized infant formula  
INVENTOR(S): Kamara, A. Rete, Princeton, NJ, United States  
PATENT ASSIGNEE(S): Princeton Nutrition, LLC, Princeton, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6194009	B1	20010227
APPLICATION INFO.:	US 2000-517269	20000302	(9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-305071, filed on 4 May 1999, now patented, Pat. No. US 6039985, issued on 21 Mar 2000 Continuation-in-part of Ser. No. US 1997-975692, filed on 21 Nov 1997, now patented, Pat. No. US 5985339, issued on 16 Nov 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-31637P	19961122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Sayala, Chhaya D.	
LEGAL REPRESENTATIVE:	Hoffman & Baron, LLP	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1373	

1997, now patented, Pat. No. US 5968809  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Nashed, Nashaat T.  
LEGAL REPRESENTATIVE: Limbach & Limbach L.L.P.  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Figure(s); 16 Drawing Page(s)  
LINE COUNT: 2383

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to fatty acid desaturases able to catalyze the conversion of oleic acid to linoleic acid, linoleic acid to gamma-linolenic acid, or of alpha-linolenic acid to stearidonic acid. Nucleic acid sequences encoding desaturases, nucleic acid sequences which hybridize thereto, DNA constructs comprising a desaturase gene, and recombinant host microorganism or animal expressing increased levels of a desaturase are described. Methods for desaturating a fatty acid and for producing a desaturated fatty acid by expressing increased levels of a desaturase are disclosed. Fatty acids, and oils containing them, which have been desaturated by a desaturase produced by recombinant host microorganisms or animals are provided. Pharmaceutical compositions, infant formulas or dietary supplements containing fatty acids which have been desaturated by a desaturase produced by a recombinant host microorganism or animal also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 70-79 ibib abs

L9 ANSWER 70 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2002:156755 USPATFULL Full-text  
TITLE: Enzyme food supplement composition comprising lipase and lactase  
INVENTOR(S): Rhoda, Rodger R., JR., Franklin Lakes, NJ, UNITED STATES  
Anderson, Mark L., Carmel, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002081352	A1	20020627
APPLICATION INFO.:	US 2000-747819	A1	20001222 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	325		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides enzyme food supplement compositions comprising a lipase enzyme and a lactase enzyme which can be administered to enhance the hydrolysis of lactose and to treat gastrointestinal disorders associated with ingestion of lactose-containing foods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 71 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2002:54417 USPATFULL Full-text

AB Refrigeration-shelf-stable ready-to-feed and concentrated infant formulas can be prepared through a ultra-pasteurization and/or pasteurization process. The ultra-pasteurized and/or pasteurized infant formulas contain complete balanced quantities of nutrients.

L9 ANSWER 88 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2000:170698 USPATFULL Full-text  
TITLE: Nutritional formula for premature infants and method of making  
INVENTOR(S): Griffin, M. Pamela, Charlottesville, VA, United States  
Hansen, James W., Evansville, IN, United States  
PATENT ASSIGNEE(S): University of Virginia Patent Foundation, Charlottesville, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6162472		20001219
APPLICATION INFO.:	US 1999-283642		19990401 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94399P	19980728 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Pratt, Helen	
LEGAL REPRESENTATIVE:	Kanyon & Kanyon	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	407	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A milk based formula for premature infants has been discovered. The formula has a reduced lactose content, preferably less than 20%. Premature and low birth-weight infants fed the infant formula demonstrate improved feeding tolerance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 89 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2000:142141 USPATFULL Full-text  
TITLE: Methods and compositions for synthesis of long chain polyunsaturated fatty acids  
INVENTOR(S): Knutson, Deborah, Granite Bay, CA, United States  
Mukerji, Pradip, Gahanna, OH, United States  
Huang, Yung-Sheng, Upper Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Chaudhary, Sunita, Pearland, TX, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
Calgene LLC, Davis, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6136574		20001024
APPLICATION INFO.:	US 1999-363574		19990729 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-834655, filed on 11 Apr		

TITLE: Powdered human milk fortifier  
INVENTOR(S): Barrett-Reis, Bridget, Dublin, OH, UNITED STATES  
Reynolds, Patricia A., Columbus, OH, UNITED STATES  
Montalto, Michael B., Upper Arlington, OH, UNITED STATES  
O'Connor, Deborah L., Powell, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002031576	A1	20020314
APPLICATION INFO.:	US 6472003	B2	20021029
RELATED APPLN. INFO.:	US 2001-910094	A1	20010720 (9)
	Continuation of Ser. No. US 2000-532838, filed on 21 Mar 2000, GRANTED, Pat. No. US 6294206		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-128575P	19990409 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROSS PRODUCTS DIVISION OF ABBOTT LABORATORIES, DEPARTMENT 108140-DS/1, 625 CLEVELAND AVENUE, COLUMBUS, OH, 43215-1724	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1483	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a powdered human milk fortifier comprising a protein component typically present in an amount of from about 24 wt/wt % to about 55 wt/wt % of the fortifier powder, and a fat component typically present in an amount of from about 1 wt/wt % to about 30 wt/wt % of the fortifier powder and a carbohydrate component present in a quantity of from about 15 wt/wt % to about 75 wt/wt % of the fortifier powder. Preferably, the powdered human milk fortifier is provided in a unit dose container which holds from about 0.5 gm to about 10 gm of powder. The instant invention also relates to a method of providing nutrition to preterm infants by adding a fortifier powder to human milk and administering the fortified human milk to a premature infant. The invention further provides a method of promoting growth of a premature infant by administering fortified human milk to a premature infant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 72 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2002:21854 USPATFULL Full-text  
TITLE: Method of hydration: infusion packet system(s), support member(s), delivery system(s), and method(s); with business model(s) and Method(s)  
INVENTOR(S): Stillman, Suzanne Jaffe, Los Angeles, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012689	A1	20020131
APPLICATION INFO.:	US 2001-963209	A1	20010926 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US9171, filed on 21 Mar 2001, UNKNOWN		



PRIORITY INFORMATION: US 2000-192243P 20000321 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: CROSBY HEAFY ROACH & MAY, 1901 AVENUE OF THE STARS,  
SUITE 700, LOS ANGELES, CA, 90067  
NUMBER OF CLAIMS: 33  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 13 Drawing Page(s)  
LINE COUNT: 4740  
AB Liquid activated infusion packet(s)/system, promoting hydration, containing active and/or inactive ingredients and/or a support member(s). Infusion Packet(s)/system is one or more individual compartments, and/or group(s), whereby the enveloping material(s) may be totally or partially dissolvable, edible, transparent, opaque, decorated, etc. Further, including of one or more: color(s), flavor(s), aroma(s), pharmaceutical(s), nutraceutical(s), dietary supplement(s), enzyme(s), pre/pro-biotic(s), amino-acid(s), soluble-fiber(s), diagnostic agent(s) etc. regardless of form, +/- effervescence, +/- uniform/controlled-release encapsulations into liquid for humans and/or animals. Enveloping material may be in whole and/or in combination; non-synthetic/porous, and/or synthetic porous/non-porous with deliberate perforations. Infusion Packet(s)/system +/- tag, support member for assistance, consumer compliance: promotion, advertising, education, entertainment, (toy/game), etc. Manual and/or power operated parts, lights, noise, etc. Additionally incorporated; unique business modalities with test market opportunities and/or the ability to provide income and/or esteem for the health challenged.

L9 ANSWER 73 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:201881 USPTAFULL Full-text  
TITLE: Human desaturase gene and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, United States  
Leonard, Amanda Eun-Yeong, Gahanna, OH, United States  
Huang, Yung-Sheng, Columbus, OH, United States  
Das, Tapas, Worthington, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6432684	B1	20020813
APPLICATION INFO.:	US 1999-227613		19990108 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 1998-057422, filed on 10 Apr 1998 Continuation-in-part of Ser. No. US 1997-833610, filed on 11 Apr 1997, now patented, Pat. No. US 5972664		

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Saidha, Tekchand  
LEGAL REPRESENTATIVE: Becker, Cheryl L.  
NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 43 Drawing Figure(s); 39 Drawing Page(s)  
LINE COUNT: 3195

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The subject invention relates to the identification of a gene involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "human  $\Delta 5$ -desaturase") and to uses thereof. In particular, human  $\Delta 5$ -desaturase may

PATENT ASSIGNEE(S): Calgene, Inc., St. Louis, MO, United States (U.S. corporation)  
Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6410288	B1	20020625
APPLICATION INFO.:	US 1999-363526		19990729 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-834655, filed on 11 Apr 1997, now patented, Pat. No. US 5968809		

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Nashed, Nashed T.  
LEGAL REPRESENTATIVE: McCutchen, Doyle, Brown & Eriksen, LLP  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 19 Drawing Figure(s); 16 Drawing Page(s)  
LINE COUNT: 2246

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to fatty acid desaturases able to catalyze the conversion of oleic acid to linoleic acid, linoleic acid to gamma-linolenic acid, or of alpha-linolenic acid to stearidonic acid. Nucleic acid sequences encoding desaturases, nucleic acid sequences which hybridize thereto, DNA constructs comprising a desaturase gene, and recombinant host microorganism or animal expressing increased levels of a desaturase are described. Methods for desaturating a fatty acid and for producing a desaturated fatty acid by expressing increased levels of a desaturase are disclosed. Fatty acids, and oils containing them, which have been desaturated by a desaturase produced by recombinant host microorganisms or animals are provided. Pharmaceutical compositions, infant formulas or dietary supplements containing fatty acids which have been desaturated by a desaturase produced by a recombinant host microorganism or animal also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 76 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:143973 USPTAFULL Full-text  
TITLE: Method and process for producing an improved milk replacer  
INVENTOR(S): Miller, Bill L., Fort Dodge, IA, United States  
Higgins, Mary R., Fridley, MN, United States  
Casey, Paul, New Brighton, MN, United States  
PATENT ASSIGNEE(S): Land O'Lakes, Inc., Arden Hills, MI, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6406729	B1	20020618
APPLICATION INFO.:	US 2000-550389		20000414 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Faden, Carolyn		
LEGAL REPRESENTATIVE:	Kinney & Lange, P.A.		
NUMBER OF CLAIMS:	58		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	3025		

be utilized, for example, in the conversion of dihomo- $\gamma$ -linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 74 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:194724 USPTAFULL Full-text  
TITLE: Human desaturase gene and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, United States  
Leonard, Amanda Eun-Yeong, Gahanna, OH, United States  
Huang, Yung-Sheng, Columbus, OH, United States  
Parker-Bernes, Jennifer M., New Albany, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6428990	B1	20020806
APPLICATION INFO.:	US 1999-439261		19991112 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-227613, filed on 8 Jan 1999 Continuation-in-part of Ser. No. WO 1998-057422, filed on 10 Apr 1998 Continuation-in-part of Ser. No. US 1997-833610, filed on 11 Apr 1997, now patented, Pat. No. US 5972664		

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Saidha, Tekchand  
LEGAL REPRESENTATIVE: Becker, Cheryl L.  
NUMBER OF CLAIMS: 6  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 48 Drawing Figure(s); 48 Drawing Page(s)  
LINE COUNT: 3523

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The subject invention relates to the identification of a gene involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "human  $\Delta 5$ -desaturase") and to uses thereof. In particular, human  $\Delta 5$ -desaturase may be utilized, for example, in the conversion of dihomo- $\gamma$ -linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 75 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:152436 USPTAFULL Full-text  
TITLE: Methods and compositions for synthesis of long chain poly-unsaturated fatty acids  
INVENTOR(S): Knutson, Deborah, Granite Bay, CA, United States  
Mukerji, Pradip, Gahanna, OH, United States  
Huang, Yung-Sheng, Upper Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Chaudhary, Sunita, Westerville, OH, United States

AB A method of producing a milk replacer product that includes creating a pattern of air flow in a mixing zone of a mixer, gravity feeding a powdered nutritional composition into the mixing zone, applying an agglomerating aid to the particles of the powdered nutritional composition in the mixing zone, where the agglomerating aid, in combination with the pattern of air flow, is effective to cause particles of the powdered nutritional composition to stick together and form agglomerates, and drying the agglomerates to form the milk replacer product.

L9 ANSWER 77 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:136794 USPTAFULL Full-text  
TITLE: Elongase gene and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, United States  
Leonard, Amanda Eun-Yeong, Gahanna, OH, United States  
Huang, Yung-Sheng, Upper Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Kirchner, Stephen J., Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6403349	B1	20020611
APPLICATION INFO.:	US 1998-145828		19980902 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu		
ASSISTANT EXAMINER:	Tung, Peter P.		
LEGAL REPRESENTATIVE:	Becker, Cheryl L.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	27 Drawing Figure(s); 26 Drawing Page(s)		
LINE COUNT:	2521		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The subject invention relates to the identification of a gene involved in the elongation of polyunsaturated fatty acids (i.e., "elongase") and to uses thereof. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo gamma linolenic acid (DGLA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA) which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 78 OF 110 USPTAFULL on STN  
ACCESSION NUMBER: 2002:136597 USPTAFULL Full-text  
TITLE: Carbonated fortified milk-based beverage and method of making carbonated fortified milk-based beverage for the supplementation of essential nutrients in the human diet  
INVENTOR(S): Clark, George H., Woburn, MA, United States  
Clark, Mary Ann, Woburn, MA, United States  
PATENT ASSIGNEE(S): Mac Farms, Inc., Burlington, MA, United States (U.S. corporation)



NUMBER KIND DATE  
PATENT INFORMATION: US 6403129 B1 20020611  
APPLICATION INFO.: US 1999-473252 19991227 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Pratt, Helen  
LEGAL REPRESENTATIVE: Kirkpatrick & Lockhart LLP  
NUMBER OF CLAIMS: 85  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 922

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dairy or non-dairy based fortified carbonated beverage solutions that supply essential nutrients in the human diet. The solution contains per 354 ml, calcium, magnesium and potassium ions in the form of salts and optionally vitamins A, D, C and folic acid in specified amounts to provide dietary supplementation. Sweeteners, stabilizers, flavors and carbonation can also be added to enhance flavor, taste, mouth-feel, ingredient solubilization and product appearance. A method of making the beverages is also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 79 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2001:176590 USPATFULL Full-text  
TITLE: Composition for and method of reducing low density lipoprotein cholesterol concentration  
INVENTOR(S): Wasple, Doyle H., Creve Coeur, MO, United States  
Potter, Susan M., Ellsville, MO, United States  
Henley, E. C., Athens, GA, United States  
PATENT ASSIGNEE(S): Protein Technologies International, Inc., St. Louis, MO, United States, 63188 (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 2001029248 A1 20011011  
US 6669952 B2 20011230  
APPLICATION INFO.: US 2001-821860 A1 20010330 (9)  
RELATED APPL. INFO.: Division of Ser. No. US 1999-298528, filed on 23 Apr 1999, PENDING  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Richard B. Taylor, Protein Technologies Int'l, Inc., P.O. Box 88940, St. Louis, MO, 63188  
NUMBER OF CLAIMS: 92  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Page(s)  
LINE COUNT: 1446

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a composition comprising a plant sterol and a soy protein material and/or isoflavone selected from genistein, daidzein, glycitein, biochanin A, formononetin, and their naturally occurring glycosides, where the plant sterol comprises at least 0.49% of the composition, by weight. The present invention is also a method for decreasing the blood concentration of total and LDL cholesterol in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone. The present invention is also a

Russell, Louis E., Johnston, IA, UNITED STATES  
Felo Pazo, Francisco Javier, Barcelona, SPAIN  
Arthington, John D., Punta Gorda, FL, UNITED STATES  
Quigley, James D., III, Ames, IA, UNITED STATES

NUMBER KIND DATE  
PATENT INFORMATION: US 2003103962 A1 20030605  
APPLICATION INFO.: US 2001-973283 A1 20011009 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MCKEE, VOORHEES & SEASE, P.L.C., 801 GRAND AVENUE, SUITE 3200, DES MOINES, IA, 50309-2721  
NUMBER OF CLAIMS: 44  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Page(s)  
LINE COUNT: 1145

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compositions are disclosed for modulating the immune system of animals. Applicant has identified that oral administration of immunoglobulins purified from animal blood can modulate serum IgG levels for treatment of immune dysfunction disorders, potentiation of vaccination protocols, and improvement of overall health and weight gain in animals, including humans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 62 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:120279 USPATFULL Full-text  
TITLE: Delta4-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES

NUMBER KIND DATE  
PATENT INFORMATION: US 2003082754 A1 20030501  
APPLICATION INFO.: US 2001-849199 A1 20010504 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Steven F. Weinstock, Abbott Laboratories, Department 377 / AP6D-2, 100 Abbott Park Road, Abbott Park, IL, 60064-6050  
NUMBER OF CLAIMS: 49  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 22 Drawing Page(s)  
LINE COUNT: 2243

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 4 (i.e., "A4-desaturase"). In particular, A4-desaturase may be utilized, for example, in the conversion of adrenic acid to e6-docosapentaenoic acid and in the conversion of e3-docosapentaenoic acid to docosahexaenoic acid. The polyunsaturated fatty acids produced by use of the enzyme may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

method for preventing or minimizing the development of atherosclerosis in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

--> d 19 60-69 ibib aba

L9 ANSWER 60 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:152412 USPATFULL Full-text  
TITLE: Method of improving the antioxidant status of an infant  
INVENTOR(S): Barrett-Reis, Bridget, Dublin, OH, UNITED STATES  
Masor, Marc L., Worthington, OH, UNITED STATES

NUMBER KIND DATE  
PATENT INFORMATION: US 2003104078 A1 20030605  
APPLICATION INFO.: US 2002-112823 A1 20020329 (10)

NUMBER DATE  
PRIORITY INFORMATION: US 2001-280393P 20010330 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: ABBOTT LABORATORIES, Rose Products Division, Department 108140/S1, 625 Cleveland Avenue, Columbus, OH, 43215-1724  
NUMBER OF CLAIMS: 30  
EXEMPLARY CLAIM: 1  
LINE COUNT: 2960

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates generally to a method of improving the antioxidant status of an infant. More particularly, the present invention relates to a method of improving the antioxidant status of an infant by administering a mixture of natural tocopherols. The natural tocopherol mixture is an effective blend of  $\alpha$ - and  $\gamma$ -tocopherol. For ease of administration and improved taste, the mixture of natural tocopherols are typically delivered in vehicle which may be in the form, for example, of a tablet, capsule, liquid, and nutritional formula. The present invention also relates to a method of improving the antioxidant status of an infant by supplementing the lactating woman wherein the supplemented breast milk is fed to the infant. Additionally, the present invention relates to a method of improving the antioxidant status of a newborn infant by supplementing the pregnant woman.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 61 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:152296 USPATFULL Full-text  
TITLE: Methods and compositions for modulating the immune system of animals  
INVENTOR(S): Campbell, Joy M., Ames, IA, UNITED STATES  
Storchhenn, Ronald E., Nevada, IA, UNITED STATES  
Weaver, Eric M., Story City, IA, UNITED STATES  
Borg, Barton S., Ames, IA, UNITED STATES

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 63 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:57937 USPATFULL Full-text  
TITLE: Monovalent saccharides and uses thereof  
INVENTOR(S): Leach, James L., Columbus, OH, UNITED STATES  
Garber, Stacey A., Dublin, OH, UNITED STATES  
Prieto, Pedro A., Columbus, OH, UNITED STATES

NUMBER KIND DATE  
PATENT INFORMATION: US 2003040503 A1 20030227  
US 6596707 B2 20030722  
APPLICATION INFO.: US 2001-864999 A1 20010524 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Page(s)  
LINE COUNT: 1276

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to monovalent oligosaccharides and their use, for example, in the treatment and prevention of mammalian disease caused by infection with Shiga toxin (ST) or Shiga-like toxin (SLT). In particular, the trisaccharide globotriose (i.e., galactose  $\alpha$ 1,4 galactose  $\beta$ 1,4 glucose) may be used to competitively inhibit binding of the toxins to their cellular targets.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 64 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:29925 USPATFULL Full-text  
TITLE: Powdered human milk fortifier  
INVENTOR(S): Barrett-Reis, Bridget, Dublin, OH, UNITED STATES  
Reynolds, Patricia A., Columbus, OH, UNITED STATES  
Munvalto, Michael B., Upper Arlington, OH, UNITED STATES  
O'Connor, Deborah L., Powell, OH, UNITED STATES

NUMBER KIND DATE  
PATENT INFORMATION: US 2003021868 A1 20030130  
APPLICATION INFO.: US 2002-217392 A1 20020813 (10)  
RELATED APPL. INFO.: Continuation of Ser. No. US 2001-910094, filed on 20 Jul 2001, GRANTED, Pat. No. US 6472003 Continuation of Ser. No. US 2000-532838, filed on 21 Mar 2000, GRANTED, Pat. No. US 6294206

NUMBER DATE  
PRIORITY INFORMATION: US 1999-128575P 19990409 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: ROSS PRODUCTS DIVISION OF ABBOTT LABORATORIES, DEPARTMENT 108140-DS/1, 625 CLEVELAND AVENUE, COLUMBUS, OH, 43215-1724

NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1454

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a powdered human milk fortifier comprising a protein component typically present in an amount of from about 24 wt/wt % to about 35 wt/wt % of the fortifier powder, and a fat component typically present in an amount of from about 1 wt/wt % to about 30 wt/wt % of the fortifier powder. Preferably, the powdered human milk fortifier is provided in a unit dose container which holds from about 0.5 gm to about 10 gm of powder. The instant invention also relates to a method of providing nutrition to preterm infants by adding a fortifier powder to human milk and administering the fortified human milk to a premature infant. The invention further provides a method of promoting growth of a premature infant by administering fortified human milk to a premature infant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 65 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:253545 USPATFULL Full-text  
TITLE: Process for removal of phosphorous from a dairy stream  
INVENTOR(S): Spade, Michael Eugene, Fairless Hills, PA, United States  
Weil, Jonathan Kim, Lansdale, PA, United States  
McHale, Michael Scott, Willow Grove, PA, United States  
PATENT ASSIGNEE(S): Neose Technologies, Inc., Horsham, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6623954	B1	20030923
APPLICATION INFO.:	US 2002-157255		20020528 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Prats, Francisco		
LEGAL REPRESENTATIVE:	Morgan, Lewis & Bockius, LLP		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	853		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method of removing phosphorous from sialyloligosaccharides isolated from a dairy stream using phytase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 66 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:183987 USPATFULL Full-text  
TITLE: Methods and compositions for synthesis of long chain polyunsaturated fatty acids  
INVENTOR(S): Knutson, Deborah, Granite Bay, CA, United States  
Mukerji, Pradip, Gahanna, OH, United States  
Huang, Yung-Sheng, Upper Arlington, OH, United States  
Thurmond, Jennifer, Columbus, OH, United States  
Chaudhary, Sunita, Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
Calgene, LLC, Davis, CA, United States (U.S.

AB A composition is provided comprising a plant sterol and a soy protein material and/or isoflavone selected from genistein, daidzein, glycitein, biochanin A, formononetin, and their naturally occurring glycosides, where the plant sterol comprises at least 0.49% of the composition, by weight. The present invention is also a method for decreasing the blood concentration of total and LDL cholesterol in a human in which the plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone. Also provided is also a method for preventing or minimizing the development of atherosclerosis in a human in which a plant sterol and a soy protein material and/or an isoflavone are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy protein material and/or the isoflavone. A preferred method involves co-administering to a human a plant sterol and a soy protein material containing at least 49% by weight soy protein and containing the isoflavone glycoside, glycitein. The plant sterol is at least 0.49% by combined weight of the co-administered plant sterol and soy protein material. The plant sterol can be  $\beta$ -sitosterol, campesterol, stigmasterol, sitosterol, or campestanol. Also an isoflavone can be administered in combination with the plant sterol and soy protein material. This isoflavone can be genistein, daidzein, glycitein, biochanin A, formononetin, and their naturally occurring glycosides and glycoside conjugates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 68 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2002:252909 USPATFULL Full-text  
TITLE: Elongase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002138874	A1	20020926
APPLICATION INFO.:	US 6677145	B2	20040113
RELATED APPLN. INFO.:	US 2001-903456	A1	20010711 (9)
	Continuation-in-part of Ser. No. US 2000-624670, filed on 24 Jul 2000, PENDING Continuation-in-part of Ser. No. US 1999-379095, filed on 23 Aug 1999, PENDING Continuation-in-part of Ser. No. US 1998-145828, filed on 2 Sep 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Steven F. Weinstock, D-377/AP6D, Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL, 60064-6050		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	31 Drawing Page(s)		
LINE COUNT:	4350		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of several genes involved in the elongation of polyunsaturated acids (i.e., "elongases") and to uses thereof. At least two of these genes are also involved in the elongation of monounsaturated fatty acids. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo gamma

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6589767	B1	20030708
APPLICATION INFO.:	US 1999-377452		19990819 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-833610, filed on 11 Apr 1997, now patented, Pat. No. US 5972664		
DOCUMENT TYPE:	GRANTED		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Frouty, Rebecca E.		
ASSISTANT EXAMINER:	Steadman, David		
LEGAL REPRESENTATIVE:	Bingham McCutchen LLP, Maher, David W.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	23 Drawing Figure(s); 17 Drawing Page(s)		
LINE COUNT:	2012		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a fatty acid  $\Delta 5$ -desaturase able to catalyze the conversion of dihomo-gamma-linolenic acid to arachidonic acid. Nucleic acid sequences encoding a  $\Delta 5$ -desaturase, nucleic acid sequences which hybridize thereto, DNA constructs comprising a  $\Delta 5$ -desaturase gene, and recombinant host microorganism or animal expressing increased levels of a  $\Delta 5$ -desaturase are described. Methods for desaturating a fatty acid at the  $\Delta 5$  position and for producing arachidonic acid by expressing increased levels of a  $\Delta 5$  desaturase are disclosed. Fatty acids, and oils containing them, which have been desaturated by a  $\Delta 5$ -desaturase produced by recombinant host microorganisms or animals are provided. Pharmaceutical compositions, infant formulas or dietary supplements containing fatty acids which have been desaturated by a  $\Delta 5$ -desaturase produced by a recombinant host microorganism or animal also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 67 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:95843 USPATFULL Full-text  
TITLE: Composition containing plant sterol, soy protein and isoflavone for reducing LDL cholesterol  
INVENTOR(S): Waggle, Doyle H., St. Louis, MO, United States  
Potter, Susan M., St. Louis, MO, United States  
Henley, E. C., St. Louis, MO, United States  
PATENT ASSIGNEE(S): Protein Technologies International, Inc., St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6544566	B1	20030408
APPLICATION INFO.:	US 1999-298528		19990423 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Naff, David M.		
ASSISTANT EXAMINER:	Ware, Deborah K.		
LEGAL REPRESENTATIVE:	Taylor, Richard B.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1243		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

linolenic acid (DGLA) and in the conversion of AA to adrenic acid (ADA), or eicosapentaenoic acid (EPA) to  $\omega 3$ -docosapentaenoic acid (DPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA), docosahexaenoic acid (DHA), EPA, adrenic acid,  $\omega 6$ -docosapentaenoic acid or  $\omega 3$ -docosapentaenoic acid which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 69 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2002:164997 USPATFULL Full-text  
TITLE: Adding heat-sensitive biologically active material to food or cosmetic compositions  
INVENTOR(S): Monte, Woodrow C., Tempe, AZ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086010	A1	20020704
APPLICATION INFO.:	US 2000-747078	A1	20001221 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Squire, Sandra & Dempsey L.L.P., Two Renaissance Square, 40 North Central Avenue, Suite 2700, Phoenix, AZ, 85004-4498		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	821		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein is a method for making a composition, such as a food or cosmetic composition, including a biologically active material, such as an enzyme or antimicrobial. The method includes the steps of insulating the active, heating the composition to a temperature that would normally denature or destroy the active, and adding the active to the composition at the denaturing temperature. The active is in a form that enables a beneficial amount to survive and remain active in the composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

-> d 19 50-59 ibib abs

L9 ANSWER 50 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:271130 USPATFULL Full-text  
TITLE: Desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Columbus, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190733	A1	20031009
APPLICATION INFO.:	US 2003-431952	A1	20030508 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-769863, filed on 25 Jan		

DOCUMENT TYPE: 2001, PENDING  
UTILITY  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 62  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 7 Drawing Page(s)  
LINE COUNT: 2833  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "A5-desaturase") and at carbon 6 (i.e., "A6-desaturase") and to uses thereof. In particular, A5-desaturase may be utilized, for example, in the conversion of dihomo- $\gamma$ -linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). Delta-6 desaturase may be used, for example, in the conversion of linoleic (LA) to  $\gamma$ -linolenic acid (GLA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 51 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:270712 USPATFULL Full-text  
TITLE: Methods and compositions of treatment for modulating the immune system of animals  
INVENTOR(S): Campbell, Joy M., Ames, IA, UNITED STATES  
Strohbehn, Ronald E., Nevada, IA, UNITED STATES  
Weaver, Eric M., Story City, IA, UNITED STATES  
Borg, Barton S., Ames, IA, UNITED STATES  
Russell, Louis E., Johnston, IA, UNITED STATES  
Polo Foro, Francisco Javier, Barcelona, SPAIN  
Archington, John D., Punta Gorda, FL, UNITED STATES  
Quigley, James D., III, Ames, IA, UNITED STATES  
PATENT ASSIGNEE(S): The Lauridsen Group, Ames, IA (U.S. corporation)  
NUMBER KIND DATE  
-----  
US 2003190314 A1 20031009  
US 2003-375844 A1 20030225 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-973263, filed on 9 Oct 2001, PENDING

PRIORITY INFORMATION: NUMBER DATE  
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US 2001-264987P 20010130 (60)  
US 2001-284067P 20010416 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MCKEE, VOORHEES & SEASE, P.L.C., 801 GRAND AVENUE, SUITE 3200, DES MOINES, IA, 50309-2721  
NUMBER OF CLAIMS: 12  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 7 Drawing Page(s)  
LINE COUNT: 1489  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PATENT INFORMATION: US 2003170840 A1 20030911  
US 2006024804 A9 20060202  
APPLICATION INFO.: US 2002-116788 A1 20020404 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-425679, filed on 22 Oct 1999, GRANTED, Pat. No. US 6509444  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MCKEE, VOORHEES & SEASE, P.L.C., ATTN: UNIVERSITY OF NEBRASKA MEDICAL CENTER, 801 GRAND AVENUE, SUITE 3200, DES MOINES, IA, 50309-2721  
NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 20 Drawing Page(s)  
LINE COUNT: 2806  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A genomic nucleotide sequence encoding Serum Amyloid A (SAA), isolated and purified from mammalian colostrum, is disclosed. Methods of use for the same in transgenic protocols is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 54 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:239365 USPATFULL Full-text  
TITLE: Desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Columbus, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES  
NUMBER KIND DATE  
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US 2003167525 A1 20030904  
US 2002-54534 A1 20020122 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-769863, filed on 25 Jan 2001, PENDING  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 35  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 15 Drawing Page(s)  
LINE COUNT: 4036  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "A5-desaturase") and at carbon 6 (i.e., "A6-desaturase") and to uses thereof. In particular, A5-desaturase may be utilized, for example, in the conversion of dihomo- $\gamma$ -linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). Delta-6 desaturase may be used, for example, in the conversion of linoleic (LA) to  $\gamma$ -linolenic acid (GLA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

AB Methods and compositions are disclosed for the dietary modulation of the immune system and gut microbial response in animals. Applicant has identified that oral administration of a supplemental spray dried plasma purified from animal serum can modulate serum IgG levels for treatment in such things as diminished immune capacity, intestinal microbial balance, autoimmune disorders, potentiation of vaccination protocols, and improvement of overall health and weight gain in animals, including humans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 52 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:252717 USPATFULL Full-text  
TITLE: Elongase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Parker-Barnes, Jennifer, New Albany, OH, UNITED STATES  
Leonard, Amanda E., Columbus, OH, UNITED STATES  
Thurmond, Jennifer M., Columbus, OH, UNITED STATES

NUMBER KIND DATE  
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US 2003177508 A1 20030918  
US 2003-408736 A1 20030404 (10)  
RELATED APPLN. INFO.: Division of Ser. No. US 1999-379095, filed on 23 Aug 1999, ABANDONED

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 212  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 55 Drawing Page(s)  
LINE COUNT: 6013  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of four genes involved in the elongation of polyunsaturated acids (i.e., "elongases") and to uses thereof. Two of these genes are also involved in the elongation of monounsaturated fatty acids. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo-gamma linolenic acid (DGLA) and in the conversion of DGLA or 20:4n-3 to eicosapentaenoic acid (EPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA), docosahexaenoic acid (DHA), EPA, adrenic acid,  $\omega$ 6-docosapentaenoic acid or  $\omega$ 3-docosapentaenoic acid which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 53 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:244431 USPATFULL Full-text  
TITLE: Genomic mammary amyloid a sequence  
INVENTOR(S): McDonald, Thomas L., Lincoln, NE, UNITED STATES  
Larson, Marilyn A., Lincoln, NE, UNITED STATES  
Weber, Annika, Lincoln, NE, UNITED STATES

NUMBER KIND DATE  
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 55 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:233643 USPATFULL Full-text  
TITLE: Elongase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Eun-Yeong Leonard, Amanda, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

NUMBER KIND DATE  
-----  
US 2003163845 A1 20030828  
US 2002-156911 A1 20020529 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-903456, filed on 11 Jul 2001, PENDING Continuation-in-part of Ser. No. US 2000-624670, filed on 24 Jul 2000, PENDING Continuation-in-part of Ser. No. US 1999-379095, filed on 23 Aug 1999, PENDING Continuation-in-part of Ser. No. US 1998-145828, filed on 2 Sep 1998, GRANTED, Pat. No. US 6403349

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 42  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 115 Drawing Page(s)  
LINE COUNT: 7791  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of several genes involved in the elongation of polyunsaturated acids (i.e., "elongases") and to uses thereof. At least two of these genes are also involved in the elongation of monounsaturated fatty acids. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo-gamma linolenic acid (DGLA) and in the conversion of AA to adrenic acid (ADA), or eicosapentaenoic acid (EPA) to  $\omega$ 3-docosapentaenoic acid (DPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA), docosahexaenoic acid (DHA), EPA, adrenic acid,  $\omega$ 6-docosapentaenoic acid or  $\omega$ 3-docosapentaenoic acid which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 56 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:225333 USPATFULL Full-text  
TITLE: Desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Columbus, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

NUMBER KIND DATE  
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US 2003157144 A1 20030821  
US 6635451 B2 20031021

APPLICATION INFO.: US 2001-769863 A1 20010125 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 62  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Page(s)  
LINE COUNT: 2933

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "Δ5-desaturase") and at carbon 6 (i.e., "Δ6-desaturase") and to uses thereof. In particular, Δ5-desaturase may be utilized, for example, in the conversion of dihomoy-linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). Δ6-desaturase may be used, for example, in the conversion of linoleic (LA) to γ-linolenic acid (GLA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 57 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2003:194589 USPTATFULL Full-text  
TITLE: Delta4-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Das, Tepas, Worthington, OH, UNITED STATES  
Leonard, Amanda Eun-Young, Gahanna, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003134400	A1	20030717
	US 7045683	B2	20060516
APPLICATION INFO.:	US 2002-120637	A1	20020411 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-849199, filed on 4 May 2001, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008		
NUMBER OF CLAIMS:	31		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	30 Drawing Page(s)		
LINE COUNT:	3137		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 4 (i.e., "Δ4-desaturase"). In particular, Δ4-desaturase may be utilized, for example, in the conversion of adrenic acid to ω6-docosapentaenoic acid and in the conversion of ω3-docosapentaenoic acid to docosahexaenoic acid. The polyunsaturated fatty acids produced by use of the enzyme may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 54  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 39 Drawing Page(s)  
LINE COUNT: 3463

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of a gene involved in the desaturation of polyunsaturated fatty acids at carbon 5 (i.e., "human Δ5-desaturase") and to uses thereof. In particular, human Δ5-desaturase may be utilized, for example, in the conversion of dihomoy-linolenic acid (DGLA) to arachidonic acid (AA) and in the conversion of 20:4n-3 to eicosapentaenoic acid (EPA). AA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 19 40-49 ibib abs

L9 ANSWER 40 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2004:126462 USPTATFULL Full-text  
TITLE: Water-soluble globulin concentrate for improving growth in animals  
INVENTOR(S): Weaver, Eric M., Story City, IA, UNITED STATES  
Thomson, Daniel U., Ames, IA, UNITED STATES  
PATENT ASSIGNEE(S): APC, Inc., Ames, IA, UNITED STATES, 50010 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004096440	A1	20040520
APPLICATION INFO.:	US 2003-613633	A1	20030703 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-459103, filed on 11 Sep 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-238553, filed on 26 Feb 1999, ABANDONED Continuation-in-part of Ser. No. US 1998-210490, filed on 11 Dec 1998, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MCKEE, VOORHEES & SEASE, P.L.C., 801 GRAND AVENUE, SUITE 3200, DES MOINES, IA, 50309-2721		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	631		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A water soluble globulin concentrate is described. The globulin concentrate is administered through the animals' water supply and is effective in increasing growth and weight gain in animals. The concentrate is especially effective in reducing morbidity in underweight, stressed pigs, post-weaning.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 41 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2004:94348 USPTATFULL Full-text

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 58 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2003:165554 USPTATFULL Full-text  
TITLE: Carbonated fortified milk-based beverage and method for suppressing bacterial growth in the beverage  
INVENTOR(S): Clark, George H., Woburn, MA, UNITED STATES  
Clark, Mary Ann, Woburn, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003113408	A1	20030619
	US 6866877	B2	20050315
APPLICATION INFO.:	US 2003-352011	A1	20030127 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-4149, filed on 31 Oct 2001, PENDING Continuation-in-part of Ser. No. US 1999-473252, filed on 27 Dec 1999, GRANTED, Pat. No. US 6403129		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Mark D. Lorusso, Lorusso Loud & Kelly LLP, 440 Commercial Street, Boston, MA, 02109		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1		
LINE COUNT:	992		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dairy or non-dairy based fortified carbonated beverage solutions that supply essential nutrients in the human diet. The solution contains per 354 ml, calcium, magnesium and potassium ions in the form of salts and optionally vitamins A, D, C, lutein, zeaxanthin and folic acid in specified amounts to provide dietary supplementation. Sweeteners, stabilizers, flavors and carbonation can also be added to enhance flavor, taste, mouth-feel, ingredient solubilization and product appearance. A method of making the beverages is also described. A method of using carbonation to reduce bacterial counts and reduce degradation of essential nutrients in milk-based beverages with or without pasteurization is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 59 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2003:152930 USPTATFULL Full-text  
TITLE: human desaturase gene and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Leonard, Amanda Eun-Young, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Columbus, OH, UNITED STATES  
Das, Tepas, Worthington, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003104596	A1	20030605
	US 6858416	B2	20050222
APPLICATION INFO.:	US 2002-191513	A1	20020709 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-227613, filed on 8 Jan 1999, GRANTED, Pat. No. US 6432684 Continuation-in-part of Ser. No. WO 1998-057422, filed on 10 Apr 1998, PENDING Continuation-in-part of Ser. No. US 1997-833610, filed on 11 Apr 1997, GRANTED, Pat. No. US 5972664		

TITLE: Method of reducing low density lipoprotein cholesterol concentration  
INVENTOR(S): Waggle, Doyle H., St. Louis, MO, UNITED STATES  
Potter, Susan M., St. Louis, MO, UNITED STATES  
Henley, E. C., St. Louis, MO, UNITED STATES  
PATENT ASSIGNEE(S): The Solae Company, LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004071800	A1	20040415
APPLICATION INFO.:	US 2003-689197	A1	20031020 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2003-461751, filed on 13 Jun 2003, PENDING Division of Ser. No. US 2001-826346, filed on 4 Apr 2001, GRANTED, Pat. No. US 6579534 Division of Ser. No. US 1999-298528, filed on 23 Apr 1999, GRANTED, Pat. No. US 6544566		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Richard B. Taylor, Patent Dept. 4C, Protein Technologies International, Inc., P.O. Box 88940, St. Louis, MO, 63188		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1150		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a method for decreasing the blood concentration of total and LDL cholesterol in a human in which a plant sterol and a soy hypocotyl material are co-administered to the human, where the plant sterol comprises at least 0.49%, by weight, of the combined weight of the plant sterol and the soy hypocotyl material

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 42 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2004:13033 USPTATFULL Full-text  
TITLE: Novel 27411, 23413, 22438, 23553, 25278, 26212, NARC S1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC1A, NARC 25, 86604 and 32222 molecules and uses thereof  
INVENTOR(S): Glucksmann, Maria A., Lexington, MA, UNITED STATES  
Williamson, Mark J., Saugus, MA, UNITED STATES  
Tsai, Fong-Ying, Newton, MA, UNITED STATES  
Rudolph-Owen, Laura A., Medford, MA, UNITED STATES  
Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES  
Meyers, Rachel E., Newton, MA, UNITED STATES  
Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES  
Wuntch, John Joseph, Somerville, MA, UNITED STATES  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004009553	A1	20040115
	US 7029895	B2	20060418
APPLICATION INFO.:	US 2003-426776	A1	20030430 (10)

RELATED APPLM. INFO.: Continuation-in-part of Ser. No. US 2002-229662, filed on 28 Aug 2002, PENDING Division of Ser. No. US 2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US 6465230 Continuation-in-part of Ser. No. US 2002-105992, filed on 25 Mar 2002, PENDING Continuation of Ser. No. US 1999-406045, filed on 27 Sep 1999, GRANTED, Pat. No. US 6451994 Continuation-in-part of Ser. No. US 2002-314861, filed on 9 Dec 2002, PENDING Continuation of Ser. No. US 2001-773426, filed on 31 Jan 2001, GRANTED, Pat. No. US 6534302 Continuation-in-part of Ser. No. US 2000-495823, filed on 31 Jan 2000, PENDING Continuation-in-part of Ser. No. US 2000-692785, filed on 20 Oct 2000, PENDING Continuation-in-part of Ser. No. US 2002-284014, filed on 30 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-284059, filed on 30 Oct 2002, PENDING

PRIORITY INFORMATION: NUMBER DATE  
US 2000-185517P 20000228 (60)  
US 1999-161188P 19991022 (60)  
US 2001-335003P 20011031 (60)  
US 2001-335037P 20011031 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Jean M. Silveri, Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, MA, 02139

NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 24534

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated nucleic acid molecules and proteins, designated 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC 17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC 1A, NARC 25, 86604 and 32222 nucleic acid molecules and proteins. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing said nucleic acid molecules, host cells into which the expression vectors have been introduced, nonhuman transgenic animals in which a said gene have been introduced or disrupted, fusion proteins, antigenic peptides and antibodies to said proteins. Diagnostic and therapeutic methods utilizing compositions of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 43 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2004:329746 USPATFULL Full-text  
TITLE: Carbonated fortified milk-based beverage and method for suppressing bacterial formation in the beverage  
INVENTOR(S): Clark, George H., Woburn, MA, United States  
Clark, Mary Ann, Woburn, MA, United States  
PATENT ASSIGNEE(S): Mac Farms Inc., Burlington, MA, United States (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
US 6835402 B1 20041228

L9 ANSWER 45 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:306152 USPATFULL Full-text  
TITLE: Enrobed core  
INVENTOR(S): Bunick, Frank J., Randolph, NJ, UNITED STATES  
PATENT ASSIGNEE(S): McNEIL-PPC, Inc. (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
US 2003215585 A1 20031120  
APPLICATION INFO.: US 2002-146471 A1 20020515 (10)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SELITTO, BEHR & KIM, A PROFESSIONAL CORPORATION, PATENT & TRADEMARK ATTORNEYS, 203 MAIN STREET, METUCHEN, NJ, 08840  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 20 Drawing Page(s)  
LINE COUNT: 2561

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An enrobed a core, such as a tablet core, that has a coating made of one or more patterned films each having portions that are visually distinct (e.g., differently colored) from one another and having a transition line segment between these visually distinct portions. At least a portion of an outer surface of the core is covered with the film or films, such that the transition line segments form a substantially continuous transition line on the coating and a film seam is formed which is different from the transition line. Where the patterned films are bi-colored, the resulting enrobed core can be bi-colored, or the resulting enrobed core can have a coating with at least four visually distinct portions alternately arranged thereon, thereby forming a "checkerboard" pattern on the coating. In either case, the film seam of the coating is different from the transition line of the coating.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 46 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:306131 USPATFULL Full-text  
TITLE: Process for enrobing a core  
INVENTOR(S): Bunick, Frank J., Randolph, NJ, UNITED STATES  
PATENT ASSIGNEE(S): McNEIL-PPC, Inc. (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
US 2003215563 A1 20031120  
US 6946156 B2 20050920  
APPLICATION INFO.: US 2002-146722 A1 20020515 (10)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SELITTO, BEHR & KIM, A PROFESSIONAL CORPORATION, PATENT & TRADEMARK ATTORNEYS, 203 MAIN STREET, METUCHEN, NJ, 08840  
NUMBER OF CLAIMS: 19  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 20 Drawing Page(s)  
LINE COUNT: 2559

AB A process for enrobing a core, such as a tablet core, uses a coating that is made of a patterned film having portions that are visually distinct (e.g., differently colored) from one another and having a transition line segment

APPLICATION INFO.: US 2001-4149 20011031 (10)  
RELATED APPLM. INFO.: Continuation-in-part of Ser. No. US 1999-473252, filed on 27 Dec 1999, now patented, Pat. No. US 6403129, issued on 11 Jun 2002

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Hendricks, Keith  
LEGAL REPRESENTATIVE: Lorusso Loud & Kelly LLP  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 783

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dairy or non-dairy based fortified carbonated beverage solutions that supply essential nutrients in the human diet. The solution contains per 354 ml, calcium, magnesium and potassium ions in the form of salts and optionally vitamins A, D, C and folic acid in specified amounts to provide dietary supplementation. Sweeteners, stabilizers, flavors and carbonation can also be added to enhance flavor, taste, mouth-feel, ingredient solubilization and product appearance. A method of making the beverages is also described. A method of using carbonation to reduce bacterial counts from milk-based beverages with or without pasteurization is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 44 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2004:78859 USPATFULL Full-text  
TITLE: Confectionery product comprising vegetables solids  
INVENTOR(S): Schmutz, Daniel, Perugia, ITALY  
Clement, Patrick, Bulle, SWITZERLAND  
PATENT ASSIGNEE(S): Nestec S.A., Vevey, SWITZERLAND (non-U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
US 6713100 B1 20040330  
APPLICATION INFO.: US 2000-617930 20000816 (9)

PRIORITY INFORMATION: NUMBER DATE  
GB 1999-19487 19990817  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Tran, Lien  
LEGAL REPRESENTATIVE: Winston & Strawn LLP  
NUMBER OF CLAIMS: 29  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 2 Drawing Page(s)  
LINE COUNT: 824

AB A novel, nutritious confectionery product with a taste, texture and color that is particularly appealing to children is disclosed. The food product includes non-cereal vegetable solids and solid fat characterized in that the non-cereal vegetable solids are present in the form of particles in an amount of at least about 15% by weight of the total weight of the confectionery product. These particles are surrounded by the fat. The non-cereal vegetable solids are added and mixed into a continuous phase of fat to provide a shaped fat-based product upon setting.

between these visually distinct portions. At least a portion of an outer surface of the core is covered with the film, such that the transition line segment forms a substantially continuous transition line on the coating and such that a film seam is formed which is different from the transition line. Alternatively, the coating is formed from two such patterned films, in which case the outer surface of the core is covered with the two films such that the two transition line segments cooperate to form a substantially continuous transition line on the coating and a film seam is formed which is different from the transition line. Prior to covering the outer surface of the core, the two films may be oriented such that the resulting enrobed core has a bi-colored coating with two visually distinct portions each lying on opposite sides of the transition line of the coating. The two films may also be oriented such that the resulting enrobed core has four alternately arranged colored portions, two of which are of a first color and the other two of which are of a second color, thereby resulting in a "checkerboard" effect.

L9 ANSWER 47 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2003:283096 USPATFULL Full-text  
TITLE: Composition for the treatment of damaged tissue  
INVENTOR(S): Deck, Kevin Neil, Kent, UNITED KINGDOM  
Davies, Michael John, Kent, UNITED KINGDOM  
Fish, Paul Vincent, Kent, UNITED KINGDOM  
Huggins, Jonathan Paul, Kent, UNITED KINGDOM  
McIntosh, Fraser Stuart, Kent, UNITED KINGDOM  
Occleston, Nicholas Laurence, Kent, UNITED KINGDOM  
Pfizer Inc. (non-U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
US 2003199440 A1 20031023  
APPLICATION INFO.: US 2002-131985 A1 20020425 (10)  
RELATED APPLM. INFO.: Continuation of Ser. No. US 2000-725295, filed on 29 Nov 2000, PENDING

PRIORITY INFORMATION: NUMBER DATE  
GB 1999-30768 19991229  
US 2000-186426P 20000302 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: PFIZER INC, 150 EAST 42ND STREET, 5TH FLOOR - STOP 49, NEW YORK, NY, 10017-5612  
NUMBER OF CLAIMS: 29  
EXEMPLARY CLAIM: 1  
LINE COUNT: 19445

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pharmaceutical for use in damaged tissue, such as wound, treatment (e.g. healing) is described. The pharmaceutical comprising a composition which comprises: (a) a growth factor; and (b) an inhibitor agent; and optionally (c) a pharmaceutically acceptable carrier, diluent or excipient; wherein the inhibitor agent can inhibit the action of at least one specific adverse protein (e.g. a specific protease) that is upregulated in a damaged tissue, such as a wound, environment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 49 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2003:278169 USPTATFULL Full-text  
TITLE: Desaturase genes, enzymes encoded thereby, and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Pereira, Surette L., Westerville, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003196217	A1	20031016
APPLICATION INFO.:	US 2002-60793	A1	20020130 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	STEVEN F. WEINSTOCK, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008		
NUMBER OF CLAIMS:	39		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Page(s)		
LINE COUNT:	3229		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are isolated polynucleotides encoding an omega-3 desaturase and a delta-12 desaturase, the enzymes encoded by the isolated polynucleotides, vectors containing the isolated polynucleotides, transgenic hosts that contain the isolated polynucleotides that express the enzymes encoded thereby, methods for producing the desaturase enzymes, and method of using the enzymes to make polyunsaturated fatty acids. The isolated polynucleotides are derived from a fungus, *Saprolegnia diclina* (ATCC 56851). In particular, omega-3-desaturase may be utilized, for example, in the conversion of arachidonic acid (AA) to eicosapentaenoic acid (EPA). Delta-12 desaturase may be used, for example, in the conversion of oleic acid (OA) to linoleic (LA). EPA or polyunsaturated fatty acids produced therefrom may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 49 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2003:276399 USPTATFULL Full-text  
TITLE: Feed for bovine neonates breeding and a process for its use  
INVENTOR(S): Lis, Alejandro, Provincia de Buenos Aires, ARGENTINA  
Fabbri, Miguel, Provincia de Buenos Aires, ARGENTINA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003194424	A1	20031016
APPLICATION INFO.:	US 2003-371126	A1	20030219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	AR 2002-20101323	20020410
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005002897	A1	20050106
APPLICATION INFO.:	US 2004-872198	A1	20040618 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-13819	20030618
	EP 2003-25851	20031110
	EP 2003-25871	20031111
	EP 2004-3058	20040211
	US 2003-524960P	20031125 (60)
	US 2004-543518P	20040211 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: NEEDLE & ROSENBERG, P.C., SUITE 1000, 999 PEACHTREE STREET, ATLANTA, GA, 30309-3915

NUMBER OF CLAIMS: 75  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Page(s)  
LINE COUNT: 8958

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides method for the treatment of a disease by applying a medicament comprising a protease with a defined specificity is capable to hydrolyze specific peptide bonds within a target substrate related to such disease. The proteases with such a defined specificity can further be used for related therapeutic or diagnostic purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 32 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2005:314743 USPTATFULL Full-text  
TITLE: Pet anti-aging wellness supplement  
INVENTOR(S): Rapisarda, Carol Osborne, Chagrin Falls, OH, UNITED STATES  
PATENT ASSIGNEE(S): Rapisarda Family Irrevocable Trust, Chagrin Falls, OH, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6974841	B1	20051213
APPLICATION INFO.:	US 2004-770953		20040203 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-259147, filed on 27 Sep 2002, ABANDONED		

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Swiatek, Robert P.  
LEGAL REPRESENTATIVE: Pearne & Gordon LLP  
NUMBER OF CLAIMS: 11  
EXEMPLARY CLAIM: 4  
LINE COUNT: 398

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A health and nutrition supplement dosage for pets, particularly canine pets, consisting essentially of anti-oxidant vitamins, B complex vitamins, bioflavonoids, chelated minerals, digestive enzymes, herbs, nutrients, and essential fatty acids amino acids and hormones.

LINE COUNT: 786

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a feed for neonates breeding producing a metabolic energy of 4200 calories and a process for using such feed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L9 ANSWER 30 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2005:4339 USPTATFULL Full-text  
TITLE: Delta4-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Des, Tapas, Worthington, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Pereira, Surette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005003442	A1	20050106
APPLICATION INFO.:	US 2004-913271	A1	20040806 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-120637, filed on 11 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2001-849199, filed on 4 May 2001, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	36 Drawing Page(s)		
LINE COUNT:	4173		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 4 (i.e., "A4-desaturase"). In particular, A4-desaturase may be utilized, for example, in the conversion of arachidonic acid to m6-docosapentaenoic acid and in the conversion of m3-docosapentaenoic acid to docosahexanoic acid. The polyunsaturated fatty acids produced by use of the enzyme may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 31 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2005:3795 USPTATFULL Full-text  
TITLE: Biological entities and the pharmaceutical or diagnostic use thereof  
INVENTOR(S): Haupts, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF  
Koltermann, Andre, Koln, GERMANY, FEDERAL REPUBLIC OF  
Schaidig, Andreas, Koln, GERMANY, FEDERAL REPUBLIC OF  
Votamer, Christian, Koln, GERMANY, FEDERAL REPUBLIC OF  
Kettling, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 33 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2005:179502 USPTATFULL Full-text  
TITLE: Bioactive whey protein hydrolysate  
INVENTOR(S): Schlotheuer, Ralf-Christian, Palmerston North, NEW ZEALAND  
Schollum, Linda May, Palmerston North, NEW ZEALAND  
Singh, Anne Marie, Palmerston North, NEW ZEALAND  
Reid, Julian Robert, Palmerston North, NEW ZEALAND  
New Zealand Dairy Board, Wellington, NEW ZEALAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6919314	B1	20050719
APPLICATION INFO.:	WO 9965326		19991223
	US 2000-720041		19990614 (9)
	WO 1999-H284		19990614
			20010402 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	NZ 1998-330710	19980617
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Friets, Francisco	
LEGAL REPRESENTATIVE:	Knobbe, Martens Olson & Baer LLP	
NUMBER OF CLAIMS:	2	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	711	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a partial hydrolysate of whey protein which contains bioactive peptides but does not have a bitter flavor. The hydrolysate is carried out using selective enzymes which produce the active peptides and is terminated at a degree of hydrolysis before substantial bitter flavors are created. There are also described novel peptides and a method of reducing systolic blood pressure through the administration of the peptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 34 OF 110 USPTATFULL on STN  
ACCESSION NUMBER: 2005:167650 USPTATFULL Full-text  
TITLE: Elongase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Des, Tapas, Worthington, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Parker-Barnes, Jennifer M., New Albany, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Abbott Laboratories, Abbott Park, IL, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6913916	B1	20050705



APPLICATION INFO.: US 2000-624670 20000724 (9)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-379095, filed on 23 Aug 1999, ABANDONED Continuation-in-part of Ser. No. US 1998-145828, filed on 2 Sep 1998, Pat. No. US 6403349  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Frouthy, Rebecca E.  
ASSISTANT EXAMINER: Ramirez, Delia M.  
LEGAL REPRESENTATIVE: Becker, Cheryl L.  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 87 Drawing Figure(s); 62 Drawing Page(s)  
LINE COUNT: 5632  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of several genes involved in the elongation of polyunsaturated acids (i.e., "elongases") and to uses thereof. At least two of these genes are also involved in the elongation of monounsaturated fatty acids. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo-gamma linolenic acid (DGLA) and in the conversion of DGLA or 20:4n-3 to eicosapentaenoic acid (EPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA), docosahexaenoic acid (DHA), EPA, adrenic acid, m6-docosapentaenoic acid or m3-docosapentaenoic acid which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 110 HCAPLUS COPYRIGHT 2006 ACS ON STN DUPLICATE 1  
ACCESSION NUMBER: 2004:1080526 HCAPLUS Full-text  
DOCUMENT NUMBER: 142:43820  
TITLE: Food bar containing glucosamine for treating musculoskeletal disorders  
INVENTOR(S): Martin, Kenneth A.; Barr, Teresa Leigh  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 6 pp., Cont.-in-part of U.S. 6,660,308.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 6  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004253296	A1	20041216	US 2003-725611	20031202
US 6660308	B1	20031209	US 2002-241542	20020911

PRIORITY APPLN. INFO.: US 2002-241542 A2 20020911

AB The food bar usable for treating arthritic conditions is made of about 250 to 2500 mg of 2-amino-2-deoxyglucose sulfate, 2-amino-2-deoxyglucose sulfate hydrochloride, N-acetyl-2-amino-2-deoxyglucose sulfate, or combinations thereof; about 200 to 2000 mg of protein; about 10 to 8000 mg of a flavoring; about 100 to 2500 mg of a vitamin B, vitamin C, vitamin E or complexes thereof; and about 1000 to 9000 mg of a fiber. A method for improving joint mobility in a subject involves administering to a subject an amount of the supplement as a food bar on a regular basis. For example, a 70-g food bar contained glucosamine 2.00, methylsulfonylmethane 0.70, nutritional grains 3.0,

LEGAL REPRESENTATIVE: BUSKOP LAW GROUP, P.C., 1717 ST. JAMES PLACE, SUITE 500, HOUSTON, TX, 77056  
NUMBER OF CLAIMS: 37  
EXEMPLARY CLAIM: 1  
LINE COUNT: 609  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The perioperative multivitamin protein additive for promoting an anabolic state in a person, is made of from about 250 mg to about 2500 mg of a digestive enzyme, such as bromelain, pepsin, amylase, protease, lipase, cellulase, lactase, alpha-g, glucoamylase, invertase, malt diastase, pectinase, xylanase, bromelain, betain, and trypsin, or combinations thereof; from about 50 mg to about 2500 mg of an amino acid; from about 200 mg to about 2000 mg of a sea plant; from about 10 mg to about 8000 mg of a flavoring; from 100 mg to 2500 mg of Vitamin A, Vitamin B, Vitamin D, Vitamin E, Vitamin K and calcium, complexes thereof, and combinations thereof; and from about 1000 mg to about 9000 mg of a fiber. The perioperative multivitamin protein additive can be added to an ingestible liquid in order to form a perioperative multivitamin protein beverage.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 38 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 2004:202993 USPATFULL Full-text  
TITLE: Method and composition for feeding mammals  
INVENTOR(S): Davenport, David F., Knoxville, TN, UNITED STATES  
Martin, J. Eric, Louisville, TN, UNITED STATES

PATENT NO.	KIND	DATE
US 2004156882	A1	20040812
US 2003-692063	A1	20031023 (10)

PRIORITY INFORMATION: US 2002-420548P 20021023 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: ST. ONCE STEWARD JOHNSTON & REENS, LLC, 986 BEDFORD STREET, STAMFORD, CT, 06905-5619

NUMBER OF CLAIMS: 49  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1260  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a nutraceutical composition having a high energy, low fat component, suitable for enteric administration, present in an effective proportion such that upon administration to a mammal in need thereof, the nutraceutical composition is effective to improve absorption of nutrients, increase appetite, promote weight gain, or reduce calorie deficit. A method for reducing energy deficit in a mammal comprising the step of enterically administering to the mammal energy promoting effective amount of a nutraceutical composition comprising a low fat component in an effective proportion is also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 39 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 2004:144225 USPATFULL Full-text  
TITLE: Surface treatment composition for soft substrates

digestive enzymes 0.20, Spirulina 3.84, whey protein concentrate 14.58, fiber 5.0, 90% high fructose corn syrup 10.13, vitamin complex 24.0, partially hydrogenated soybean oil and fatty acids 0.34, honey 4.97, water 9.80, flavor powder 4.89, flavoring 0.69, citric acid 2.21, Aspartame 0.46, potassium sorbate 0.19, sodium acid pyrophosphate 0.49, sorbitol 3.68, and polydextrose 8.85 weight%, resp.

L9 ANSWER 36 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 2004:320642 USPATFULL Full-text  
TITLE: Perioperative multivitamin protein bar for use in preparing an individual for fast surgical recovery  
INVENTOR(S): Martin, Kenneth A., Maumelle, AR, UNITED STATES  
Barr, Teresa Leigh, Port Townsend, WA, UNITED STATES

PATENT NO.	KIND	DATE
US 2004253295	A1	20041216
US 6900173	B2	20050531

APPLICATION INFO.: US 2003-725609 A1 20031202 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2002-241542, filed on 11 Sep 2002, GRANTED, Pat. No. US 6660308  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BUSKOP LAW GROUP, P.C., 1717 ST. JAMES PLACE, SUITE 500, HOUSTON, TX, 77056  
NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 505  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The perioperative multivitamin protein bar for promoting an anabolic state in a person is made of from about 250 mg to about 2500 mg of a digestive enzyme, such as bromelain, pepsin, amylase, protease, lipase, cellulase, lactase, alpha-g, glucoamylase, invertase, malt diastase, pectinase, xylanase, bromelain, betain, trypsin, or combinations thereof; from about 50 mg to about 2500 mg of an amino acid; from about 200 mg to about 2000 mg of a sea plant; from about 10 mg to about 8000 mg of a flavoring; from about 100 mg to about 2500 mg of Vitamin A, Vitamin B, Vitamin D, Vitamin E, Vitamin K, calcium, complexes thereof, or combinations thereof; and from about 1000 mg to about 9000 mg of a fiber.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 37 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 2004:320574 USPATFULL Full-text  
TITLE: Perioperative multivitamin protein beverage and additive for use in preparing an individual for fast surgical recovery  
INVENTOR(S): Martin, Kenneth A., Maumelle, AR, UNITED STATES  
Barr, Teresa Leigh, Port Townsend, WA, UNITED STATES

PATENT NO.	KIND	DATE
US 2004253227	A1	20041216
US 2003-725610	A1	20031202 (10)

APPLICATION INFO.: US 2002-241542, filed on 11 Sep 2002, GRANTED, Pat. No. US 6660308  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION

INVENTOR(S): Bunick, Frank J., Randolph, NJ, UNITED STATES  
Lin, Feng, San Antonio, TX, UNITED STATES

PATENT NO.	KIND	DATE
US 2004109889	A1	20040610
US 2002-309730	A1	20021204 (10)

APPLICATION INFO.: US 2002-309730 A1 20021204 (10)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003  
NUMBER OF CLAIMS: 29  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Page(s)  
LINE COUNT: 1360  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for reducing the friability of soft substrates by applying an effective amount of a water soluble, polymeric dispersion to at least a portion of a treatment surface of the substrate, such that less than about 90% of the exterior surface has the dispersion applied thereto.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

>> d 19 20-29 ibib abs

L9 ANSWER 20 OF 110 USPATFULL ON STN  
ACCESSION NUMBER: 2005:153523 USPATFULL Full-text  
TITLE: Delta15 desaturases suitable for altering levels of polyunsaturated fatty acids in oilseed plants and oleaginous yeast  
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES

PATENT NO.	KIND	DATE
US 2005132441	A1	20050616
US 2004-985109	A1	20041110 (10)

PRIORITY INFORMATION: US 2003-519191P 20031112 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US  
NUMBER OF CLAIMS: 47  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Page(s)  
LINE COUNT: 7348  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to fungal  $\Delta$ -15 fatty acid desaturases that are able to catalyze the conversion of linoleic acid (18:2, LA) to alpha-linolenic acid (18:3, ALA). Nucleic acid sequences encoding the desaturases, nucleic acid sequences which hybridize thereto, DNA constructs comprising the desaturase genes, and recombinant host plants and microorganisms expressing increased levels of the desaturases are described. Methods of



increasing production of specific omega-3 and omega-6 fatty acids by over-expression of the A-15 fatty acid desaturases are also described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:117270 USPTFULL Full-text  
TITLE: Methods for the dietary management of irritable bowel syndrome and carbohydrate malabsorption  
INVENTOR(S): Farmer, Sean, Miami Beach, FL, UNITED STATES  
Leftkowitz, Andrew R., Beachwood, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005100535	A1	20050512
APPLICATION INFO.:	US 2004-915030	A1	20040809 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-369016, filed on 5 Aug 1999, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-95786P	19980807 (60)
	US 2003-528074P	20031205 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111, US	
NUMBER OF CLAIMS:	82	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1160	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates generally to digestive disorders, and in particular to methods for treating irritable bowel syndrome by increasing carbohydrate absorption by administering a composition containing a *Bacillus coagulans* bacterium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:86980 USPTFULL Full-text  
TITLE: Compositions and methods for augmenting kidney function  
INVENTOR(S): Ranganathan, Natarajan, Broomall, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005074442	A1	20050407
APPLICATION INFO.:	US 2004-936262	A1	20040908 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-US7554, filed on 13 Mar 2002, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Licata & Tyrrell P.C., 66 E. Main Street, Marlton, NJ, 08053		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	828		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2003-138985	20030516
	JP 2003-138987	20030516
	JP 2003-380652	20031111
	JP 2003-380651	20031111
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLOM, STIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	539	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an alternative agent with vitamin D-like activity or an improving agent for age-related depression of intestinal function, comprising a sugar-phosphate ester or a salt thereof, as an active ingredient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:31399 USPTFULL Full-text  
TITLE: Composition for the treatment of damaged tissue  
INVENTOR(S): Duck, Kevin Neil, County of Kent, UNITED KINGDOM  
Davies, Michael John, County of Kent, UNITED KINGDOM  
Fish, Paul Vincent, County of Kent, UNITED KINGDOM  
Huggins, Jonathan Paul, Sandwich, UNITED KINGDOM  
McIntosh, Fraser Stuart, County of Kent, UNITED KINGDOM  
Ocleston, Nicholas Laurence, County of Kent, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005026836	A1	20050203
APPLICATION INFO.:	US 2004-901417	A1	20040728 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-131985, filed on 25 Apr 2002, PENDING Continuation of Ser. No. US 2000-725295, filed on 29 Nov 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1999-30768	19991229
	US 2000-186426P	20000302 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WARNER-LAMBERT COMPANY, 2800 PLYMOUTH RD, ANN ARBOR, MI, 48105	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
LINE COUNT:	20214	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pharmaceutical for use in damaged tissue, such as wound, treatment (e.g. healing) is described. The pharmaceutical comprising a composition which comprises: (a) a growth factor; and (b) an inhibitor agent; and optionally (c) a pharmaceutically acceptable carrier, diluent or excipient; wherein the inhibitor agent can inhibit the action of at least one specific adverse

AB The present invention provides a composition comprising prebiotic and probiotic components and is used to reduce elevated levels of nitrogenous waste products and to promote a healthy bowel microenvironment.

L9 ANSWER 23 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:68987 USPTFULL Full-text  
TITLE: Biological entities and the use thereof  
INVENTOR(S): Haupt, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF  
Koltermann, Andre, Koln, GERMANY, FEDERAL REPUBLIC OF  
Scheidig, Andreas, Koln, GERMANY, FEDERAL REPUBLIC OF  
Votsmeier, Christian, Koln, GERMANY, FEDERAL REPUBLIC OF  
Kettling, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005059126	A1	20050317
APPLICATION INFO.:	US 2004-872197	A1	20040618 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-13819	20030618
	EP 2003-25851	20031110
	EP 2003-25871	20031111
	US 2003-524960P	20031125 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: NEEDLE & ROSENBERG, P.C., SUITE 1000, 999 PEACHTREE STREET, ATLANTA, GA, 30309-3915

NUMBER OF CLAIMS: 80  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Page(s)  
LINE COUNT: 3171

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides engineered enzymes generated from protein scaffolds combined with Specificity Determining Regions, the production thereof and the use of said engineered enzymes for research, nutritional care, personal care and industrial purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:38030 USPTFULL Full-text  
TITLE: Alternative agent with vitamin D-like activity and an improving agent for intestinal function  
INVENTOR(S): Fujinaka, Hidetake, Haga-gun, JAPAN  
Nakamura, Junji, Haga-gun, JAPAN  
Murase, Daiki, Haga-gun, JAPAN  
Souno, Hatsumi, Haga-gun, JAPAN  
Kobayashi, Hisataka, Haga-gun, JAPAN  
KAO CORPORATION, Tokyo, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005032710	A1	20050210
APPLICATION INFO.:	US 2004-845362	A1	20040514 (10)

protein (e.g. a specific protease) that is upregulated in a damaged tissue, such as a wound, environment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:16830 USPTFULL Full-text  
TITLE: Genes involved in polyketide synthase pathways and uses thereof  
INVENTOR(S): Mukerji, Pradip, Columbus, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005014231	A1	20050120
APPLICATION INFO.:	US 2003-619532	A1	20030715 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	37 Drawing Page(s)		
LINE COUNT:	3421		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to isolated nucleic acid sequences or genes involved in polyketide synthase (PKS) biosynthetic pathways. In particular, such pathways are involved in the production of polyunsaturated fatty acids (PUFAs) such as, for example, Eicosapentaenoic acid (EPA) and Docosahexaenoic acid (DHA). Specifically, the invention relates to isolating nucleic acid sequences encoding proteins involved in eukaryotic PUFA-PKS systems and to uses of these genes and encoded proteins in PUFA-PKS systems, in heterologous hosts, for the production of PUFAs such as EPA and DHA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 110 USPTFULL on STM  
ACCESSION NUMBER: 2005:11006 USPTFULL Full-text  
TITLE: Elongase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005009140	A1	20050113
APPLICATION INFO.:	US 2004-912446	A1	20040805 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2002-156911, filed on 29 May 2002, ABANDONED Continuation-in-part of Ser. No. US 2001-903456, filed on 10 Jul 2001, GRANTED, Pat. No. US 6677145 Continuation-in-part of Ser. No. US 2000-624670, filed on 24 Jul 2000, PENDING Continuation-in-part of Ser. No. US 1999-379095, filed on 23 Aug 1999, ABANDONED Continuation-in-part of Ser. No. US 1998-145828, filed on 2 Sep 1998, GRANTED, Pat. No. US 6403349  
DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT  
PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
NUMBER OF CLAIMS: 42  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 115 Drawing Page(s)  
LINE COUNT: 1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of several genes involved in the elongation of polyunsaturated acids (i.e., "elongases") and to uses thereof. At least two of these genes are also involved in the elongation of monounsaturated fatty acids. In particular, elongase is utilized in the conversion of gamma linolenic acid (GLA) to dihomo-gamma linolenic acid (DGLA) and in the conversion of AA to adrenic acid (ADA), or eicosapentaenoic acid (EPA) to  $\omega$ -3-docosapentaenoic acid (DPA). DGLA may be utilized in the production of polyunsaturated fatty acids, such as arachidonic acid (AA), docosahexaenoic acid (DHA), EPA, adrenic acid,  $\omega$ -6-docosapentaenoic acid or  $\omega$ -3-docosapentaenoic acid which may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 28 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:6221 USPATFULL Full-text  
TITLE: Delta4-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

NUMBER	KIND	DATE
US 2005005329	A1	20050106
US 2004-913779	A1	20040806 (10)

PATENT INFORMATION: Division of Ser. No. US 2002-120637, filed on 11 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2001-849199, filed on 4 May 2001, ABANDONED  
APPLICATION INFO.: Utility  
RELATED APPLN. INFO.: APPLICATION  
DOCUMENT TYPE: ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT  
FILE SEGMENT: PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 36 Drawing Page(s)  
LINE COUNT: 4173

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 4 (i.e., "A4-desaturase"). In particular, A4-desaturase may be utilized, for example, in the conversion of adrenic acid to  $\omega$ -6-docosapentaenoic acid and in the conversion of  $\omega$ -3-docosapentaenoic acid to docosahexaenoic acid. The polyunsaturated fatty acids produced by use of the enzyme may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

PATENT ASSIGNEE(S): Meyers, Rachel E., Newton, MA, UNITED STATES  
Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES  
Hunter, John Joseph, Somerville, MA, UNITED STATES  
Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2006116508	A1	20060601
US 2005-113816	A1	20051221 (11)

PATENT INFORMATION: Division of Ser. No. US 2003-426776, filed on 30 Apr 2003, GRANTED, Pat. No. US 7029895 Continuation-in-part of Ser. No. US 2002-229662, filed on 28 Aug 2002, PENDING Division of Ser. No. US 2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US 6465230  
APPLICATION INFO.: Continuation-in-part of Ser. No. US 2002-105992, filed on 25 Mar 2002, ABANDONED Continuation of Ser. No. US 1999-406045, filed on 27 Sep 1999, GRANTED, Pat. No. US 6451994 Continuation-in-part of Ser. No. US 2000-692785, filed on 20 Oct 2000, ABANDONED

NUMBER	DATE
US 2000-185517P	20000228 (60)
US 1999-161188P	19991022 (60)

PRIORITY INFORMATION: Utility  
DOCUMENT TYPE: APPLICATION  
FILE SEGMENT: MILLENNIUM PHARMACEUTICALS, INC., 40 Landsdowne Street,  
LEGAL REPRESENTATIVE: CAMBRIDGE, MA, 02139, US  
NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 24161

L9 ANSWER 2 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:137303 USPATFULL Full-text  
TITLE: High eicosapentaenoic acid producing strains of Yarrowia lipolytica  
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Gillies, Peter John, Landenberg, PA, UNITED STATES  
Maccool, Daniel Joseph, Philadelphia, PA, UNITED STATES  
Picataggio, Stephen K., Landenberg, PA, UNITED STATES  
Polak, Dana M. Walters, Media, PA, UNITED STATES  
Ragghianti, James John, Bear, DE, UNITED STATES  
Xue, Zhixiong, Chadds Ford, PA, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE
US 2006115881	A1	20060601
US 2005-265761	A1	20051102 (11)

PATENT INFORMATION: US 2004-624812P 20041104 (60)  
APPLICATION INFO.: Utility  
DOCUMENT TYPE: APPLICATION  
FILE SEGMENT: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT  
LEGAL REPRESENTATIVE: RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417  
LANCASTER PIKE, WILMINGTON, DE, 19805, US

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 29 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:6220 USPATFULL Full-text  
TITLE: Delta4-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Gahanna, OH, UNITED STATES  
Thurmond, Jennifer, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Das, Tapas, Worthington, OH, UNITED STATES  
Leonard, Amanda Eun-Yeong, Gahanna, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES

NUMBER	KIND	DATE
US 2005005328	A1	20050106
US 2004-913226	A1	20040806 (10)

PATENT INFORMATION: Division of Ser. No. US 2002-120637, filed on 11 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2001-849199, filed on 4 May 2001, ABANDONED  
APPLICATION INFO.: Utility  
RELATED APPLN. INFO.: APPLICATION  
DOCUMENT TYPE: ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT  
FILE SEGMENT: PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008  
LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 36 Drawing Page(s)  
LINE COUNT: 4171

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to the identification of genes involved in the desaturation of polyunsaturated fatty acids at carbon 4 (i.e., "A4-desaturase"). In particular, A4-desaturase may be utilized, for example, in the conversion of adrenic acid to  $\omega$ -6-docosapentaenoic acid and in the conversion of  $\omega$ -3-docosapentaenoic acid to docosahexaenoic acid. The polyunsaturated fatty acids produced by use of the enzyme may be added to pharmaceutical compositions, nutritional compositions, animal feeds, as well as other products such as cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

--> d 19 1-19 ibib

L9 ANSWER 1 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:137927 USPATFULL Full-text  
TITLE: Novel 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC 1A, NARC 25, 86604 and 32222 molecules and uses thereof  
INVENTOR(S): Glucksmann, Maria A., Lexington, MA, UNITED STATES  
Williamson, Mark J., Saugus, MA, UNITED STATES  
Tsai, Fong-Ying, Newton, MA, UNITED STATES  
Rudolph-Owen, Laura A., Medford, MA, UNITED STATES  
Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES

NUMBER OF CLAIMS: 53  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 40 Drawing Page(s)  
LINE COUNT: 9151

L9 ANSWER 3 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:134026 USPATFULL Full-text  
TITLE: Dehydration of food combinations  
INVENTOR(S): Jones, Ken, Lacey, WA, UNITED STATES

NUMBER	KIND	DATE
US 2006112584	A1	20060601
US 2005-286253	A1	20051123 (11)

PATENT INFORMATION: US 2004-631736P 20041129 (60)  
APPLICATION INFO.: Utility  
DOCUMENT TYPE: APPLICATION  
FILE SEGMENT: SWANSON & BRATSCUN L.L.C., 1745 SHEA CENTER DRIVE,  
LEGAL REPRESENTATIVE: SUITE 330, HIGHLANDS RANCH, CO, 80129, US

NUMBER OF CLAIMS: 8  
EXEMPLARY CLAIM: 1  
LINE COUNT: 550

L9 ANSWER 4 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:131166 USPATFULL Full-text  
TITLE: Docosahexaenoic acid producing strains of Yarrowia lipolytica  
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Gillies, Peter John, Landenberg, PA, UNITED STATES  
Maccool, Daniel Joseph, Philadelphia, PA, UNITED STATES  
Picataggio, Stephen K., Landenberg, PA, UNITED STATES  
Ragghianti, James John, Bear, DE, UNITED STATES  
Seip, John E., Alloway, NJ, UNITED STATES  
Xue, Zhixiong, Chadds Ford, PA, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE
US 2006110806	A1	20060525
US 2005-264737	A1	20051101 (11)

PATENT INFORMATION: US 2004-624812P 20041104 (60)  
APPLICATION INFO.: Utility  
DOCUMENT TYPE: APPLICATION  
FILE SEGMENT: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT  
LEGAL REPRESENTATIVE: RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417  
LANCASTER PIKE, WILMINGTON, DE, 19805, US

NUMBER OF CLAIMS: 46  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 22 Drawing Page(s)  
LINE COUNT: 8938

L9 ANSWER 5 OF 110 USPATFULL on STN

ACCESSION NUMBER: 2006:124287 USPATFULL Full-text  
TITLE: Highly absorbable taste and odor free organic nutritional supplement made from food by products and mixable with solids and liquids, and method of making such  
INVENTOR(S): Cinquini, Carlos Alberto Ignacio, Santa Fe, ARGENTINA  
Genevois, Maria Imelda, Santa Fe, ARGENTINA

NUMBER	KIND	DATE
US 2006105020	A1	20060518
APPLICATION INFO.: US 2004-986079	A1	20041112 (10)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SHLESINGER, ARKWRIGHT & GARVEY LLP, Suite 600, 1420 King Street, Alexandria, VA, 22314, US	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	846	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 6 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:111148 USPATFULL Full-text  
TITLE: High arachidonic acid producing strains of Yarrowia lipolytica  
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Gillies, Peter John, Landenberg, PA, UNITED STATES  
Macoel, Daniel Joseph, Philadelphia, PA, UNITED STATES  
Picataggio, Stephen K., Landenberg, PA, UNITED STATES  
Pollak, Dana M. Walters, Media, PA, UNITED STATES  
Regghianti, James John, Bear, DE, UNITED STATES  
Xue, Zhixiong, Chadds Ford, PA, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE
US 2006094092	A1	20060504
APPLICATION INFO.: US 2005-264784	A1	20051101 (11)

NUMBER	DATE
US 2004-624812P	20041104 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US
NUMBER OF CLAIMS:	36
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	18 Drawing Page(s)
LINE COUNT:	7601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L9 ANSWER 7 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:111144 USPATFULL Full-text  
TITLE: Acyltransferase regulation to increase the percent of polyunsaturated fatty acids in total lipids and oils of

APPLICATION INFO.: US 2005-166993 A1 20050624 (11)

NUMBER	DATE
US 2004-583041P	20040625 (60)
US 2004-624812P	20041104 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US
NUMBER OF CLAIMS:	22
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	10 Drawing Page(s)
LINE COUNT:	6751
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L9 ANSWER 10 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:324008 USPATFULL Full-text  
TITLE: Methods and compositions involving endopeptidases PepO2 and PepO3  
INVENTOR(S): Steele, James L., Cross Plains, WI, UNITED STATES  
Broadbent, Jeffrey R., Smithfield, UT, UNITED STATES  
Sridhar, Vidya R., Portland, OR, UNITED STATES

NUMBER	KIND	DATE
US 2005281914	A1	20051222
APPLICATION INFO.: US 2004-873427	A1	20040621 (10)

NUMBER	DATE
US 2003-480536P	20030620 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI L.L.P., 600 CONGRESS AVE., SUITE 2400, AUSTIN, TX, 78701, US
NUMBER OF CLAIMS:	37
EXEMPLARY CLAIM:	1-84
NUMBER OF DRAWINGS:	9 Drawing Page(s)
LINE COUNT:	3867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L9 ANSWER 11 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:323888 USPATFULL Full-text  
TITLE: Phytases, nucleic acids encoding them and methods of making and using them  
INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, UNITED STATES  
Kretz, Keith A., San Marcos, CA, UNITED STATES  
Gray, Kevin A., San Diego, CA, UNITED STATES  
Barton, Nelson Robert, San Diego, CA, UNITED STATES  
Garrett, James B., San Diego, CA, UNITED STATES  
O'Donoghue, Eileen, San Diego, CA, UNITED STATES  
Baum, William, La Jolla, CA, UNITED STATES  
Robertson, Dan E., San Diego, CA, UNITED STATES  
Zorner, Paul, Encinitas, CA, UNITED STATES

NUMBER	KIND	DATE
US 2005281792	A1	20051222

INVENTOR(S): oleaginous organisms  
Picataggio, Stephen K., Landenberg, PA, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES

NUMBER	KIND	DATE
US 2006094088	A1	20060504
APPLICATION INFO.: US 2005-190750	A1	20050727 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-24544, filed on 29 Dec 2004, PENDING	

NUMBER	DATE
US 2004-624812P	20041104 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US

NUMBER OF CLAIMS: 25  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 13 Drawing Page(s)  
LINE COUNT: 9572  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2006:55937 USPATFULL Full-text  
TITLE: Delta6-desaturase genes and uses thereof  
INVENTOR(S): Mukerji, Pradip, Columbus, OH, UNITED STATES  
Huang, Yung-Sheng, Upper Arlington, OH, UNITED STATES  
Leonard, Amanda E., Columbus, OH, UNITED STATES  
Pereira, Suzette L., Westerville, OH, UNITED STATES  
Thurmond, Jennifer M., Columbus, OH, UNITED STATES

NUMBER	KIND	DATE
US 2006048244	A1	20060302
APPLICATION INFO.: US 2004-931626	A1	20040901 (10)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROBERT DEBERARDINE, ABBOTT LABORATORIES, 100 ABBOTT PARK ROAD, DEPT. 377/AP6A, ABBOTT PARK, IL, 60064-6008, US	

NUMBER OF CLAIMS: 33  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 16 Drawing Page(s)  
LINE COUNT: 3270  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:330671 USPATFULL Full-text  
TITLE: Delta-8 desaturase and its use in making polyunsaturated fatty acids  
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE
US 2005287652	A1	20051229

APPLICATION INFO.: US 2004-933115 A1 20040901 (10)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-866379, filed on 24 May 2001, GRANTED, Pat. No. US 6855365  
Continuation-in-part of Ser. No. US 2000-580515, filed on 25 May 2000, GRANTED, Pat. No. US 6720014  
Continuation-in-part of Ser. No. US 1999-318528, filed on 25 May 1999, GRANTED, Pat. No. US 6183740  
Continuation-in-part of Ser. No. US 1999-291931, filed on 13 Apr 1999, GRANTED, Pat. No. US 6190897  
Continuation of Ser. No. US 1999-259214, filed on 1 Mar 1999, GRANTED, Pat. No. US 6110719 Division of Ser. No. US 1997-910798, filed on 13 Aug 1997, GRANTED, Pat. No. US 5876997

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: DIVERSA C/O MOFO S.D., 3811 VALLEY CENTER DRIVE, SUITE 500, SAN DIEGO, CA, 92130, US

NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 10 Drawing Page(s)  
LINE COUNT: 6758  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:312057 USPATFULL Full-text  
TITLE: Methods and compositions for modulating the immune system of animals  
INVENTOR(S): Campbell, Joy M., Ames, IA, UNITED STATES  
Strohbehn, Ronald E., Ames, IA, UNITED STATES  
Weaver, Eric M., Ames, IA, UNITED STATES  
Borg, Barton S., Ames, IA, UNITED STATES  
Russell, Louis E., Ames, IA, UNITED STATES  
Pozo, Francisco Javier Polo, Ames, IA, UNITED STATES  
Arthington, John D., Ames, IA, UNITED STATES  
Quigley, James D. III, Ames, IA, UNITED STATES

NUMBER	KIND	DATE
US 2005271674	A1	20051208
APPLICATION INFO.: US 2003-470982	A1	20020129 (10)
WO 2002-US2752		20020129

RELATED APPLN. INFO.: 20040121 PCT 371 date  
Continuation-in-part of Ser. No. US 2003-973283, filed on 9 Oct 2001, ABANDONED

NUMBER	DATE
US 2001-264987P	20010130 (60)
US 2003-284067P	20010416 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, 1600 TCF TOWER, 121 SOUTH EIGHT STREET, MINNEAPOLIS, MN, 55402, US

NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1-44  
NUMBER OF DRAWINGS: 7 Drawing Page(s)  
LINE COUNT: 1465  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 110 USPATFULL on STN

\*, ACCESSION NUMBER: 2005:240021 USPATFULL Full-text  
TITLE: Methods of unidirectional, site-specific integration into a genome, compositions and kits for practicing the same  
INVENTOR(S): Calos, Michele, Stanford, CA, UNITED STATES

Scheidig, Andreas, Koln, GERMANY, FEDERAL REPUBLIC OF  
Votsmeier, Christian, Koln, GERMANY, FEDERAL REPUBLIC OF  
Kettling, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF  
Coco, Wayne Michael, Koln, GERMANY, FEDERAL REPUBLIC OF

NUMBER	KIND	DATE
US 2005208021	A1	20050922
US 2004-3941	A1	20041203 (11)

RELATED APPLN. INFO.: Continuation of Ser. No. WO 2003-US17702, filed on 3 Jun 2003, PENDING

NUMBER	DATE
US 2002-416989P	20021007 (60)
US 2002-385954P	20020604 (60)
US 2002-385933P	20020604 (60)
US 2002-386325P	20020604 (60)
US 2002-385934P	20020604 (60)
US 2002-385929P	20020604 (60)
US 2002-386597P	20020604 (60)
US 2002-385944P	20020604 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BOZICEVIC, FIELD & FRANCIS LLP, 1900 UNIVERSITY AVENUE, SUITE 200, EAST PALO ALTO, CA, 94303, US  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 22 Drawing Page(s)  
LINE COUNT: 11004  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 14 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:214647 USPATFULL Full-text  
TITLE: Method and composition for fortifying a single serving prepared beverage having minimal nutritional value  
INVENTOR(S): Williams, Ronald K., Orem, UT, UNITED STATES  
Butler, Jacque N., Draper, UT, UNITED STATES  
PATENT ASSIGNEE(S): ForMed, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2005186319	A1	20050825
US 2004-783219	A1	20040220 (10)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: THORPE NORTH & WESTERN, LLP., 8180 SOUTH 700 EAST, SUITE 200, P.O. BOX 1219, SANDY, UT, 84070, US  
NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 503

L9 ANSWER 15 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:202164 USPATFULL Full-text  
TITLE: Biological entities and the pharmaceutical and diagnostic use thereof  
INVENTOR(S): Haupt, Ulrich, Koln, GERMANY, FEDERAL REPUBLIC OF  
Koltermann, Andre, Koln, GERMANY, FEDERAL REPUBLIC OF

L9 ANSWER 17 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:165898 USPATFULL Full-text  
TITLE: Isoflavone therapy for treating urinary incontinence  
INVENTOR(S): Henley, E. C., Athens, GA, UNITED STATES

NUMBER	KIND	DATE
US 2005143323	A1	20050630
US 2003-748492	A1	20031230 (10)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SOLAE, LLC, LEGAL DEPARTMENT, BUILDING 3C, P.O. BOX 88940, ST. LOUIS, MO, 63188, US  
NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
LINE COUNT: 853  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:158311 USPATFULL Full-text  
TITLE: Production of polyunsaturated fatty acids in oleaginous yeasts  
INVENTOR(S): Picataggio, Stephen K., Landenberg, PA, UNITED STATES  
Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE
US 2005136519	A1	20050623
US 2004-840579	A1	20040506 (10)

NUMBER	DATE
US 2003-468677P	20030507 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US  
NUMBER OF CLAIMS: 32  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 17 Drawing Page(s)  
LINE COUNT: 4800  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:153524 USPATFULL Full-text  
TITLE: Delta 15 desaturases suitable for altering levels of polyunsaturated fatty acids in oleaginous plants and yeast  
INVENTOR(S): Yadav, Narendra S., Chadds Ford, PA, UNITED STATES  
Zheng, Hongxiang, Chadds Ford, PA, UNITED STATES

NUMBER	KIND	DATE
US 2005132442	A1	20050616
US 2004-985254	A1	20041110 (10)

NUMBER	KIND	DATE
US 2005175581	A1	20050811
US 2004-21951	A1	20041222 (11)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2004-872198, filed on 18 Jun 2004, PENDING

NUMBER	DATE
EP 2003-13819	20030618
EP 2003-25851	20031110
EP 2003-25871	20031111
EP 2004-3058	20040211
US 2003-524960P	20031125 (60)
US 2004-543518P	20040211 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: NEEDLE & ROSENBERG, P.C., SUITE 1000, 999 PEACHTREE STREET, ATLANTA, GA, 30309-3915, US  
NUMBER OF CLAIMS: 72  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Page(s)  
LINE COUNT: 11628  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 110 USPATFULL on STN  
ACCESSION NUMBER: 2005:189428 USPATFULL Full-text  
TITLE: Bioactive whey protein hydrolysate  
INVENTOR(S): Schlothauer, Ralf-Christian, Palmerston North, NEW ZEALAND  
Schollum, Linda May, Palmerston North, NEW ZEALAND  
Singh, Anne Maria, Palmerston North, NEW ZEALAND  
Reid, Julian Robert, Palmerston North, NEW ZEALAND

NUMBER	KIND	DATE
US 2005164340	A1	20050728
US 2005-83662	A1	20050317 (11)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-720041, filed on 2 Apr 2001, PENDING A 371 of International Ser. No. WO 1999-NB84, filed on 14 Jun 1999

NUMBER	DATE
NZ 1998-330710	19980617

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614, US  
NUMBER OF CLAIMS: 19  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Page(s)  
LINE COUNT: 719  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PRIORITY INFORMATION: US 2003-519191P 20031112 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US  
NUMBER OF CLAIMS: 38  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Page(s)  
LINE COUNT: 7368  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 07:28:12 ON 09 JUN 2006)

FILE 'REGISTRY' ENTERED AT 07:28:18 ON 09 JUN 2006

L1 58 SEA WHEY  
L2 17 SEA LACTASE  
L3 0 SEA L1 AND L2

FILE 'HCAPLUS, USPATFULL' ENTERED AT 07:28:45 ON 09 JUN 2006

L4 29420 SEA WHEY  
L5 5175 SEA LACTASE  
L6 703 SEA L4 AND L5  
L7 209 SEA L6 AND NUTRITIONAL  
L8 111 SEA L7 AND SUPPLEMENT  
L9 110 DUP REM L8 (1 DUPLICATE REMOVED)  
D L9 100-110 IBIB ABS  
D L9 90-99 IBIB ABS  
D L9 80-89 IBIB ABS  
D 70-79 IBIB ABS  
D L9 60-69 IBIB ABS  
D L9 50-59 IBIB ABS  
D L9 40-49 IBIB ABS  
D L9 30-39 IBIB ABS  
D L9 20-29 IBIB ABS  
D L9 1-19 IBIB

FILE HOME

FILE REGISTRY  
Property values tagged with IC are from the SIC/VINITI data file provided by Infochem.

STRUCTURE FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3  
DICTIONARY FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\* ..... \*

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for details.

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<http://www.ces.org/ONLINE/UG/regprops.html>

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FILE COVERS 1907 - 9 Jun 2006 VOL 144 ISS 24  
FILE LAST UPDATED: 7 Jun 2006 (20060607/ED)

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substance identification.

#### FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 8 Jun 2006 (20060608/PD)  
FILE LAST UPDATED: 8 Jun 2006 (20060608/ED)  
HIGHEST GRANTED PATENT NUMBER: US7058980  
HIGHEST APPLICATION PUBLICATION NUMBER: US2006123525  
CA INDEXING IS CURRENT THROUGH 8 Jun 2006 (20060608/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 8 Jun 2006 (20060608/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2006

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FULL ESTIMATED COST	236.94	247.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

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STN INTERNATIONAL SESSION SUSPENDED AT 07:40:48 ON 09 JUN 2006